

October 31, 2006

File: 74330.03

Rich Williams
State of California
Department of Transportation
District 3, Program Project Management
2800 Gateway Oaks Dr, MS-19
Sacramento, California 95833

**SUBJECT: Phase II Environmental Site Assessment
Kings Beach Commercial Core Improvement Project
State Highway 28
Kings Beach, California
03-PLA-28-14.8/16.5(PM 9.2-10.3)
EA-03-0C9300**

References: Final Initial Site Assessment (ISA), For Kings Beach Commercial Core Improvement Project, State Highway 28 From Chipmunk Street to State Highway 267, Kings Beach, California, by MACTEC, dated April 4, 2006

Revised Work Plan, Phase II Environmental Site Assessment, Kings Beach Commercial Core Improvement Project, State Highway 28, Kings Beach, California, by Kleinfelder, Inc., dated September 5, 2006.

Dear Mr. Williams:

Kleinfelder is pleased to provide the results of our Phase II Environmental Site Assessment for the above referenced project. The right-of way in front of eight parcels was investigated during this site assessment by drilling 15 soil borings to depths of 10 feet below ground surface (bgs) and collecting and analyzing soil samples.

In general, soils contained petroleum hydrocarbons to depths of 2.0 to 3.0 feet in the right-of-way adjacent to all parcels investigated with the exception of the Former

Shell/Chevron station. At the Former Shell/Chevron station soil contained petroleum hydrocarbons at depths below 8.0 feet.

The right-of-way adjacent to all other parcels investigated with the exception of Dave's Ski Shop contained soil impacted with petroleum hydrocarbons to depths of 5.0 feet.

Selected soil samples were also analyzed for total lead. Results indicate that the soils are considered non-hazardous and can be transported and disposed of as petroleum-containing soils at a Class II landfill licensed to accept these soils.

If you have any questions or need additional information, please contact the undersigned in our Reno office.

Sincerely,

KLEINFELDER, INC.

David J. Herzog, C.E.G.
Senior Engineering Geologist

Joshua P. Fortmann, P.G.
Project Geologist

Attachments: Work Plan

cc: Ms. Alicia Beyer, Department of Transportation
Mr. Lupe Jimenez, Department of Transportation
Mr. Dan LaPlante, Placer County DPW (2)
Mr. John Reid, Placer County Environmental Health Services

**PHASE II ENVIRONMENTAL SITE ASSESSMENT
KINGS BEACH COMMERCIAL
CORE IMPROVEMENT PROJECT
STATE HIGHWAY 28
KINGS BEACH, CALIFORNIA
03-PLA-28-14.8/16.5(PM 9.2-10.3)
EA-03-0C9300**

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**PHASE II ENVIRONMENTAL SITE ASSESSMENT
KINGS BEACH COMMERCIAL
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1 INTRODUCTION

The Kings Beach Commercial Core Improvement Project will install sidewalks, roadway improvements, and water quality treatment facilities along the north and south sides of Highway 28 from Chipmunk Street to Highway 267 in Kings Beach, California. At this time, the preferred alternative for roadway alignment has not been chosen and the locations of the roadway improvements and water quality treatment facilities are not known. Sidewalk construction will require excavation and disposal of soil to depths of approximately 2.0 feet below ground surface (bgs) throughout the project site located generally within the State of California Department of Transportation right-of-way. Installation of water quality improvements and replacement/installation of traffic light and street light foundations may require excavation and disposal of soil to depths of 10 feet bgs.

The purpose of this Phase II Environmental Assessment was to evaluate soil for the presence of contaminants that would require special handling and disposal. Parcels with releases of petroleum compounds to the subsurface including current and historic gasoline service stations, and historic gasoline service stations that had underground storage tanks (USTs) removed in the past with little documentation are potential sources of contaminated soil. The right-of-way in front of eight parcels was selected for investigation as discussed in the referenced revised work plan.

These eight parcels are listed below according to increasing address number along North Lake Boulevard (Highway 28) from west to east and are shown in the Site Plan, Plate 1.

1. Beacon-Station, 8070 N. Lake Blvd, APN 117-180-012
2. Dave's Ski Shop/Former King's Beach Mobil Station, 8299 N. Lake Boulevard, APN 090-071-029
3. Chevron Station/Former Shell Station, 8369 N. Lake Boulevard, APN 090-075-017

4. Kentucky Fried Chicken/Former Union 76 Station, 8697 N. Lake Boulevard, APN 090-133-010, 011
5. Subway/ Former Arco Station, 8700 N. Lake Boulevard, APN 090-134-030
6. Show Place Home Furnishings, 8731 N. Lake Boulevard, APN 090-192-031
7. Ronning Property/"Unnamed Repair Shop/Former Chevron Station", 8784 N. Lake Boulevard, APN 090-071-013, -014, and -020
8. King's Beach Swiss Mart/Former Chevron Station, 8797 N. Lake Boulevard, APN 090-192-041

2 ASSESSMENT ACTIVITIES

2.1 PRE-DRILLING ACTIVITIES

An encroachment permit was obtained from Caltrans and is included in Appendix A.

A soil boring permit was obtained from Placer County Environmental Health Services (PCEHS) and is included in Appendix A.

The proposed drilling locations were marked for inspection and utility clearance by Underground Service Alert (USA). A private utility locator, Nevada Underground Location used geophysical equipment to further verify the location of utilities.

A Site Health and Safety Plan was prepared containing the route to the hospital, potential chemical and physical hazards, personnel protective equipment required, and personnel training requirements. A Health and Safety meeting was held prior to the start of drilling.

2.2 VACUUM TRUCK DRILLING

Based on the close proximity of utility lines (less than 24 inches in accordance with USA) to six proposed boring locations (B-2, B-3, B-4, B-5, B-7, and B-8), vacuum truck drilling technology was used to clear these six drilling locations on September 25, 2006. A jackhammer was used to penetrate the asphalt concrete (AC) surface to a depth of four to six inches bgs and create a 12-inch diameter hole. A vacuum truck was then used to remove drill cuttings to a depth of approximately five feet bgs at these six locations. The vacuum truck drilling ceased prior to collecting soil samples for analysis using a hand auger at the required sample depths of 1.0 and 4.0 feet bgs. Soil samples were placed in laboratory-supplied 500 milliliter glass jars with Teflon-lined caps, sealed, placed in an ice chest, and submitted under chain-of-custody protocols to a California-certified laboratory, Alpha Analytical, Inc.

Photoionization detector (PID) readings were collected at approximately one-foot intervals, were noted on the boring logs provided in Appendix B, and visual, and/or olfactory evidence of hydrocarbons were also noted on the boring logs.

2.3 GEOPROBE DRILLING

Geoprobe borings B-1, B-6, and B-9 through B-15 were advanced from ground surface to a total depth of 10 feet bgs at the locations shown in Plate 1 on September 25 and 26, 2006. Geoprobe borings B-2 through B-5, and B-7 were advanced from below the vacuum truck boring depth of 4.0 to 5.0 feet bgs to a total depth of 10.0 feet bgs on September 25, 2006. Geoprobe boring B-8 was advanced from below the vacuum truck boring depth of 3.5 feet bgs to a total depth of 5.0 feet due to practical refusal on September 25, 2006. PID readings, visual, and/or olfactory evidence of hydrocarbons were noted on the boring logs. A one-inch diameter continuous soil sample was obtained at each location, stored in plastic liners, and sealed with plastic caps.

Soil borings were backfilled with cement grout after drilling per PCEHS regulations. Backfilling procedures were witnessed by a PCEHS inspector.

2.4 SOIL SAMPLING AND ANALYSIS

A PID meter was utilized to detect the presence of total petroleum hydrocarbons (TPH) in soil. A portion of the soil sample at one-foot intervals was placed in a plastic zip-lock bag and sealed. The sealed plastic bag containing the selected soil sample was placed in a warm location for a minimum of five minutes and the headspace in the bag was monitored with a PID. PID readings were noted on the boring log. The portion of each soil sample from which there was a PID indication of TPH was transferred into laboratory-supplied glass containers and placed in a cooler with ice pending transportation to the laboratory for chemical analyses utilizing standard chain-of-custody (COC) procedures.

Up to three soil samples from borings B-1 through B-15 were submitted for laboratory analysis. If no PID readings were detected above background, and no visual or olfactory evidence of hydrocarbons was noted, one soil sample from a depth of 1.0 to 2.0 feet bgs, the second from a depth of 4.0 to 5.0 feet bgs, and the third from a depth of 9.0 to 10.0 feet bgs or immediately above groundwater was submitted for laboratory analysis. If PID readings above background, visual, or olfactory evidence of hydrocarbons were noted, samples were submitted from those depths for laboratory analysis. Groundwater samples were not collected.

Each soil sample analyzed was prepared by cutting the plastic liner, capping both ends of the liner, labeling, placing in an ice chest, and submitted under COC protocols to a California-certified laboratory.

The sampling equipment was decontaminated between borings by washing with an Alconox and distilled water solution and triple-rinsing with distilled water to prevent cross-contamination of soil samples. In compliance with the Caltrans statewide Storm Water Permit, all rinsate remained within Caltrans Right of Way and was not allowed to enter storm drains.

Each soil sample from borings B-1 through B-15 was analyzed for total petroleum hydrocarbons-diesel (TPH-diesel), TPH-oil, and TPH-gasoline by EPA Method 8015M; and benzene, toluene, ethyl benzene and total xylenes (BTEX) by EPA Method 8260. Boring B-11, adjacent to APN 090-192-031 was also analyzed for volatile organic compounds by EPA Method 8260 as this site was a former dry cleaner.

Eight soil samples with the highest TPH concentrations ([B-2@1-2](#) ft, B-6@8-9 ft, [B-9@2-3](#) ft, [B-10@4-5](#) ft, [B-11@4-5](#) ft, [B-12@4-5](#) ft, [B-13@2-3](#) ft, and [B-15@4-5](#) ft) were also analyzed for total lead in general accordance with EPA Method 6010B. Since none of the total lead concentrations exceeded 50 mg/kg, no samples were analyzed for concentrations of soluble lead using the Waste Extraction Test (WET). The laboratory performing chemical analyses is certified by the California Department of Health Services (DHS) for the following laboratory test methods: EPA Method 8015M, EPA Method 8260, and EPA Method 6010B.

Laboratory reports are provided in Appendix C.

2.5 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

Laboratory quality assurance (QA)/quality control (QC) procedures consisted of:

- One sample analyzed in duplicate for every ten samples, batch of samples, or type of matrix, whichever is more frequent. Five duplicate samples were analyzed.
- One method blank for every twenty samples, batch of samples, or type of matrix, whichever is more frequent. Three method blanks were analyzed.
- One laboratory control spike for every twenty samples, batch of samples, or type of matrix, whichever is more frequent. Three laboratory control spikes were analyzed.
- One sample matrix spike for every twenty samples, batch of samples, or type of matrix, whichever is more frequent, with the spike made at ten times the detection limit or at the analyte level. Three sample matrix spikes were analyzed.
- One sample matrix spike duplicate for every twenty samples, batch of samples, or type of matrix, whichever is more frequent, with the spike made at ten times

the detection limit or at the analyte level. Three sample matrix spike duplicates were analyzed.

Laboratory QA/QC results are provided in Appendix C.

3 ASSESSMENT RESULTS

3.1 SUBSURFACE CONDITIONS

The Geologic Map of the Lake Tahoe Basin (Saucedo, 2005) indicates that the area explored is underlain by Holocene-age lake deposits consisting of thinly bedded sandy silt and clay. The Soil Survey of the Lake Tahoe Basin (U.S. Soil Conservation Service, 1974) indicates that the area explored is primarily underlain by Jabu stony sandy loam, moderately fine soil variant, 2 to 9% slopes (JhC). This soil is mapped as consisting of a thin surface layer of stony sandy loam overlying loam, sandy clay loam, and old lake sediments of clay loam texture.

Subsurface conditions encountered during this investigation are presented in the boring logs in Appendix B. Soils encountered were consistent with the geologic map and soil survey and were composed of interbedded layers of brown, reddish brown, and dark brown silty sand, silty gravel, gravelly sand, clayey sand, and sandy gravel above the seasonal high groundwater level. Below the seasonal high groundwater level, soils encountered consisted of grayish brown and gray silty sand and clayey sand with mottles of reddish brown and strong brown.

Petroleum odors were noted in borings B-3, B-6, B-12, and B-14. Slightly elevated PID readings were noted in borings B-2, B-3, B-5, and B-10. High PID readings were noted in borings B-6 and B-14 at depths below 8 feet bgs. No discoloration of soil was visually noted.

All borings penetrated to the design depth of 10.0 feet bgs with the exception of boring B-8 that encountered a very dense sandy gravel layer at a depth of 5.0 feet bgs. Three attempts were made to advance the boring in the vicinity of B-8 with no further progress made.

3.2 LABORATORY RESULTS

Laboratory results are summarized in Table 1 and presented in Appendix C. Laboratory results are discussed by parcel. The Eastern Regional Landfill in Truckee, California can only accept clean fill materials for disposal. Therefore, any detectable concentration of TPH in soil will require disposal at an alternate location.

1. Beacon-Station, 8070 N. Lake Blvd, APN 117-180-012

Boring B-1 at depths of 1.0 and 4.0 feet bgs and boring B-2 at a depth of 1.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 15 to 200 milligrams per kilogram (mg/Kg). The total lead concentration from boring B-2 at a depth of 1.0 feet bgs was 11 mg/Kg.

2. Dave's Ski Shop/Former King's Beach Mobil Station, 8299 N. Lake Boulevard, APN 090-071-029

Borings B-3 and B-4 at depths of 1.0 feet bgs contained low concentrations of TPH in the diesel and oil ranges at concentrations ranging from 10 to 63 mg/Kg.

3. Chevron Station/Former Shell Station, 8369 N. Lake Boulevard, APN 090-075-017

Boring B-6 at a depth of 8.0 feet bgs contained TPH-purgeable at a concentration of 340 mg/Kg, ethylbenzene at a concentration of 800 micrograms per kilogram (µg/Kg) and total xylenes at a concentration of 2,790 µg/Kg. The total lead concentration from this sample was 4.7 mg/Kg.

4. Kentucky Fried Chicken/Former Union 76 Station, 8697 N. Lake Boulevard, APN 090-133-010, 011

Boring B-7 at a depth of 6.0 feet bgs contained a very low concentration of TPH-diesel of 6 mg/Kg that is slightly above the detection limit of 5 mg/Kg. Boring B-8 at depths of 1.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 8.7 to 40 mg/Kg.

5. Subway/Former Arco Station, 8700 N. Lake Boulevard, APN 090-134-030

Borings B-9 and B-10 at depths of 2.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 17 to 1,300 mg/Kg. Boring B-10 at a depth of 4.0 feet bgs also contained very low concentrations of ethylbenzene and total xylenes. Boring B-10 at a depth of 7.0 feet bgs contained TPH in the oil range at a concentration of 34 mg/Kg. The total lead concentration from these samples ranged from 6.0 to 7.1 mg/Kg.

6. Show Place Home Furnishings, 8731 N. Lake Boulevard, APN 090-192-031

Boring B-11 at depths of 1.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 76 to 4,900 mg/Kg. The total lead concentration in the sample from 4.0 feet bgs was 25 mg/Kg.

7. Ronning Property/“Unnamed Repair Shop/Former Chevron Station”, 8784 N. Lake Boulevard, APN 090-071-013, -014, and -020

Boring B-12 at depths of 1.0, 3.0, and 4.0 feet bgs and boring B-13 at a depth of 2.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 26 to 4,100 mg/Kg. The total lead concentration from these samples ranged from 3.2 to 3.8 mg/Kg.

8. King’s Beach Swiss Mart/Former Chevron Station, 8797 N. Lake Boulevard, APN 090-192-041

Boring B-14 at a depth of 1.0 feet bgs and boring B-13 at depths of 1.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 16 to 2,900 mg/Kg. The total lead concentration from a sample from boring B-15 was 2.8 mg/Kg.

3.3 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

The effectiveness of the QA/QC program is measured by the quality of data generated by the laboratory. Data quality is judged in terms of its Precision, Accuracy, Representativeness, Completeness, and Comparability (PARCC) parameters, as described in the following section.

Precision

Precision is a measure of the reproducibility of analyses under a given set of conditions, and can be assessed by replicate measurements of duplicate control samples, reference materials, or environmental samples.

The laboratory measured the comparison of precision by calculating the Relative Percent Difference (RPD) between sample matrix spike (MS) and MS duplicate QC samples. The RPD between the two duplicate samples was used to estimate precision, and was calculated as follows:

$$RPD = \frac{|D1 - D2|}{(D1 + D2) / 2} \times 100$$

Where:

- RPD* = relative percent difference
- D1* = first sample value
- D2* = second sample value (duplicate)

The laboratory calculated MS/MSD RPD are summarized in the QC Summary Report, Appendix C. The calculated RPD range for soil samples and field QC duplicates analyzed for TPH was 0% to 200% and for VOCs 0%. These RPD indicate a level of precision that is most likely a result of soil sample matrix variation.

Accuracy

Accuracy is a determination of how close the measurement is to the true value. Accuracy can be assessed using laboratory control samples (LCS), standard reference materials, or spiked environmental samples. The laboratory monitored accuracy by comparing MS, MSD, LCS, and surrogate spike recovery results with control limits identified in EPA SW846. QC limits were met for all QC samples, with the exceptions listed in the QC Summary Reports (Appendix C) and discussed in Section 3.3.1.

Representativeness

Representativeness is a qualitative parameter that reflects the extent to which a given sample is characteristic of a given population at a specific location or under a given environmental condition. Representativeness is best satisfied by making certain that sampling locations are selected properly, a sufficient number of samples are collected, and an appropriate sampling technique is employed. Variations at a sampling point were evaluated based on the results of field duplicates.

Sampling locations, number of samples collected, and appropriate sampling techniques were employed as specified in the revised work plan. Variation at sampling points, based on the field duplicate sample results, was observed for soil samples. This appears to be a result of soil sample matrix variation, and does not appear to indicate a poor representativeness of the soil samples.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared with the amount that was expected to be obtained under normal conditions. To be considered complete, the data set must contain all analytical results and data specified for the project. In addition, all data were compared to project requirements to ensure that specifications were met. Completeness was evaluated by comparing the project objectives to the quality and quantity of the data collected to determine if any deficiencies exist. Missing data can result from any number of circumstances ranging from sample acquisition and accessibility problems to sample breakage and rejection of analytical data because of quality control deficiencies. Completeness was quantitatively assessed as the percent of controlled QC parameters that are within limits. The minimum requirement for completeness for all QC parameters, except holding times, is 80%. The requirement for holding times is 100%.

The percent completeness for each set of samples was calculated as follows:

$$\text{Completeness} = \frac{\text{valid data obtained}}{\text{total data analyzed}} \times 100\%$$

Valid data is defined as those data points that are not qualified as rejected. No data were rejected, so the percent completeness for all QC parameters is 100%.

Comparability

Comparability expresses the confidence with which one data set can be compared to another data set measuring the same property. To ensure comparability, field procedures were standardized and field operations adhered to procedures outlined in the revised work plan. Laboratory data comparability was assured by use of established and approved analytical methods, consistency in the basis of analysis (wet weight, volume, etc.), and consistency in reporting units (mg/Kg, ug/Kg, etc.).

3.3.1 Data Review and Validation

The QA Manager supervised data quality assessment tasks. Kleinfelder evaluated and documented measurement data to monitor consistency with DQOs, to quantitatively assess data quality, and to identify potential limitations to data use.

Kleinfelder reviewed field and analytical laboratory data generated for this project as described below. Chain of custody documentation met QC requirements. Holding time compliance was met for all samples. QC limits were met for all QC samples, with the exceptions listed in the QC Summary Reports for TPH-extractable in the diesel range.

The exceptions appear to be the result of soil sample heterogeneity, as the laboratory control sample recovery was acceptable. The analytical sample results do not appear to have been influenced by outlier QC sample results. After reviewing the QC data that did not fall within QC limits and the analytical results, the assessment is that the project data quality is acceptable.

4 CONCLUSIONS AND RECOMMENDATIONS

In general, soils contained petroleum hydrocarbons to depths of 2.0 to 3.0 feet in the right-of-way adjacent to all parcels investigated with the exception of the Former Shell/Chevron station (APN 090-075-017). At the Former Shell/Chevron station soil contained petroleum hydrocarbons at depths below 8.0 feet.

The right-of-way adjacent to all other parcels investigated with the exception of Dave's Ski Shop (APN 090-071-029) contained soil impacted with petroleum hydrocarbons to depths of 5.0 feet.

Selected soil samples were also analyzed for total lead. Results indicate that the soils are considered non-hazardous and can be transported and disposed of as petroleum-containing soils at a Class II landfill licensed to accept these soils such as the Norcal Waste System's Ostrom Road Landfill in Wheatland, California or the Allied Waste Inc's. Forward Landfill in Manteca, California. Since the TPH concentration in soils are greater than 600 mg/Kg, these soils cannot be disposed of at the Lockwood Landfill in Mustang, Nevada. Another option for soil disposal is by incineration at the Nevada Thermal, Inc. facility in Mustang, Nevada. Costs for disposal at these facilities are generally \$15/ton at the Ostrom Road Landfill, \$21/ton at the Forward Landfill, and \$50/ton at Nevada Thermal, Inc.

Based on the laboratory results, it is our opinion that right-of-way acquisition of a portion of the Beacon (APN 117-180-012), Dave's Ski Shop (APN 090-071-029) and Kentucky Fried Chicken (APN 090-133-010) properties should be performed by procuring an easement rather than purchase due to the potential for future environmental liability.

TABLES

**Table 1 Summary of Soil Analyses
Kings Beach Commercial Core Improvement Project**

Site Name	APN	Boring	Depth feet	TPH-Diesel mg/Kg	TPH-Oil mg/Kg	TPH-Purgeable mg/Kg	BTEX ug/Kg	VOCs ug/Kg	Total Lead mg/Kg
Beacon	117-180-012	B-1	1.0	21	99	<4	<20	NA	NA
			4.0	15	56	<4	<20	NA	NA
			9.0	<5	<10	<4	<20	NA	NA
		B-2	1.0	29	200	<4	<20	NA	11
			4.0	<5	<10	<2	<10	NA	NA
			DUP 1	8.0	<5	<10	<1	<5	NA
		9.0	<5	<10	<2	<10	NA	NA	
Dave's Ski	090-071-029	B-3	1.0	<5	16	<2	<10	NA	NA
			4.0	<5	<10	<1	<5	NA	NA
			9.0	<5	<10	<2	<10	NA	NA
		B-4	1.0	10	63	<2	<10	NA	NA
			4.0	<5	<10	<2	<10	NA	NA
				8.0	<5	<10	<2	<10	NA
		DUP 2	9.0	<5	<10	<1	<5	NA	NA
Former Shell Current Chevron	090-075-017	B-5	1.0	<5	<10	<1	<5	NA	NA
			5.0	<5	<10	<1	<10	NA	NA
			9.0	<5	<10	<1	<5	NA	NA
		B-6	2.0	<5	<10	<1	<5	NA	NA
			5.0	<5	<10	<1	<5	NA	NA
				8.0	<5	<10	340	800 E; 2,790 X	NA
Kentucky Fried Chicken	090-133-010/011	B-7	1.0	<5	<10	<1	<5	NA	NA
			6.0	6	<10	<2	<5	NA	NA
			9.0	<5	<10	<2	<5	NA	NA
		B-8	1.0	8.7	40	<2	<10	NA	NA
			4.0	5	18	<2	<10	NA	NA
Subway	090-134-029	B-9	2.0	31	330	<2	<10	NA	6
			4.0	17	140	<2	<10	NA	NA
			9.0	<5	<10	<1	<5	NA	NA
		B-10	2.0	<5	32	<1	<5	NA	NA
			4.0	120	1,300	<1	5.1 E; 16 X	NA	7.10
			7.0	<5	34	<1	<5	NA	NA
Show Place	090-192-031	B-11	1.0	76	590	<2	<10	ND	NA
			4.0	700	4,700	<4	<20	ND	25
		DUP 5	5.0	<5	<10	<2	<10	ND	NA
			9.0	<5	<10	<2	<10	ND	NA
Ronning	090-221-014/021	B-12	1.0	26	160	<2	<10	NA	NA
			DUP 4	3.0	200	1,300	<2	<10	NA
			4.0	36	200	<2	<10	NA	3.2
			9.0	<5	<10	<1	<5	NA	NA
		B-13 DUP 3	2.0	270	4,100	<2	<10	NA	3.8
			3.0	<5	<10	<2	<10	NA	NA
4.0	<5		<10	<1	<5	NA	NA		
9.0	<5		<10	<1	<5	NA	NA		
Swiss Mart Chevron	090-192-041	B-14	1.0	16	130	<4	<20	NA	NA
			3.0	<5	<10	1.5	<5	NA	NA
			9.0	<5	<10	<1	<5	NA	NA
		B-15	1.0	100	660	<2	11 E; 34 X	NA	NA
			4.0	370	2,900	<4	52 X	NA	2.8
			9.0	<5	<10	<1	<5	NA	NA

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, total xylenes

NA = Not Analyzed

ND = Not Detected, detection limit varied from 10ug/Kg to 40ug/Kg

PLATES

APPENDIX A

Permits

ENCROACHMENT PERMIT

TR-0120 (REV 6/200)

Permit No.
0306-NSV0685

In compliance with (Check one):

☒ Your application of September 6, 2006☐ Utility Notice No. _____ of _____☐ Agreement No. _____ of _____☐ RW Contract No. _____ of _____Dist/Co/Rte/PM
03-PLA-28-9.34/10.68Date
September 19, 2006Fee Paid
\$ ExemptDeposit
\$ N/APerformance Bond Amount (1)
\$ N/APayment Bond Amount (2)
\$ N/A

Bond Company

Bond Number (1)

Bond Number (2)

TO: Placer County Department of Public Works
c/o Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: David Herzog
775-689-7800

Ref No.

, PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Drill 15 borings having 2-inch Dia, 10 feet deep along the shoulder of State Highway 28 as per attached plans.

The holes need to be filled as per the satisfaction of Caltrans representative.

An approval from USA (Underground Service Alert) is required before digging the holes.

Permittee shall contact State inspector Ron Mills, telephone, (530) 582-8133 Cellular (530) 755-6688, SEVEN (7) working days prior to commencing work, to arrange a pre-job meeting. A 24-hour notification before restarting work shall be strictly adhered to. All work shall be conducted and completed to the satisfaction of Caltrans representative. Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this Permit.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	General Provisions
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Utility Maintenance Provisions
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Special Provisions TRAFFIC CONTROL
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	A Cal-OSHA permit, if required: Permit No. _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	As-Built Plans Submittal Route Slip for Locally Advertised Projects
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Storm Water Pollution Protection Plan

In addition to fee, the permittee will be billed actual costs for:

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Review
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Inspection
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Field work

(If any Caltrans effort expended)

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	The information in the environmental documentation has been reviewed and considered prior to approval of this permit.
------------------------------	--	---

This permit is void unless the work is completed before December 1, 2006

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.

No project work shall be commenced until all other necessary permits and environmental clearances have been obtained

Ron Mills
P.O. Box 579
Truckee, CA 96160
(530) 582-8133 Cellular (530) 755-6688

APPROVED:

JODY JONES, District Director

BY:

BRUCE D. CAPAUL, Chief-Office of Encroachment Permits

cc: Stan Richins, Maint-Sutter/Sierra Region

ADA Notice

For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 653-3657 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.



TYPICAL LANE CLOSURE

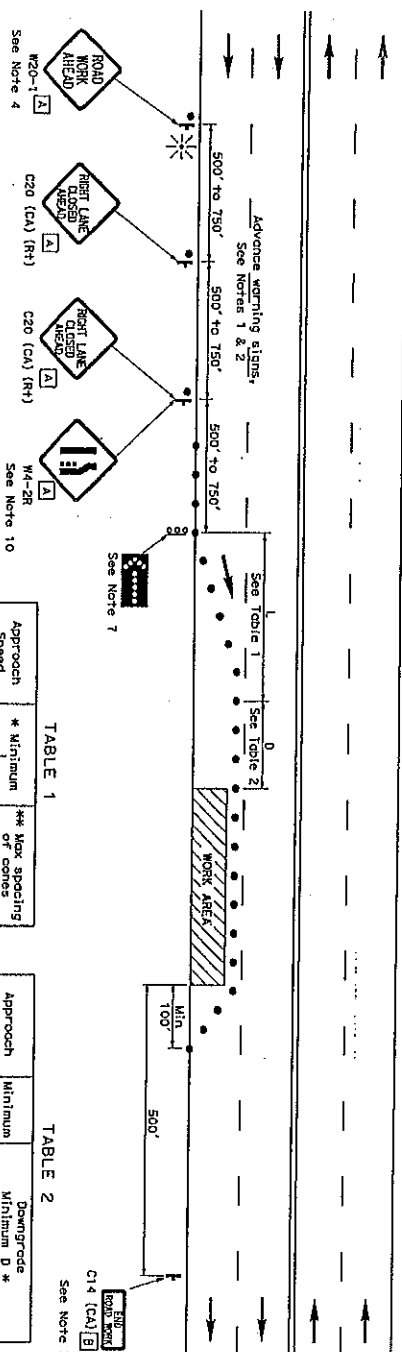


TABLE 1

Approach Speed mph	Minimum L	Maximum spacing of cones along taper
20 and below	80	20
25	125	25
30	160	30
35	245	35
40	320	40
45	540	45
Over 50	600	50

* Use L for lane widths less than or equal to 12'.
** See Note 9.

TABLE 2

Approach Speed mph	Minimum D	Demographic Minimum D *
25 and below	155	-3% -4% -5% -6% -7% -8%
30	200	158 163 173 178 183 188
35	250	205 215 227 237 247 257
40	305	257 271 287 294 304 315
45	360	315 333 354 364 378 400 427
50	425	378 400 427 445 474 507
Over 50	See Note 9	See Note 9

* Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

See Note 3

LEGEND

- Traffic Cone
- Temporary Sign
- Direction of Travel
- Flashing Arrow Sign (FAS)
- FAS Support or Trailer
- Portable Flashing Beacon

SIGN PANEL SIZE (Min)

- A 36" x 36"
- B 36" x 18"

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

T11

0151 COUNTY ROUTE TOTAL MILES PROJECT SHEET NO. 111

REGISTERED CIVIL ENGINEER

MOY 1, 2006

PLANS APPROVAL DATE

THE SEAL OF CALIFORNIA IS THE EVIDENCE OF THE QUALITY OF THE WORK OF THE ENGINEER OR ARCHITECT OR LANDSCAPE ARCHITECT OR PROFESSIONAL GEODETIC SURVEYOR OR PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL CIVIL ENGINEER OR PROFESSIONAL MECHANICAL ENGINEER OR PROFESSIONAL ELECTRICAL ENGINEER OR PROFESSIONAL CHEMICAL ENGINEER OR PROFESSIONAL INDUSTRIAL ENGINEER OR PROFESSIONAL AERONAUTICAL ENGINEER OR PROFESSIONAL AGRICULTURAL ENGINEER OR PROFESSIONAL MINING ENGINEER OR PROFESSIONAL METALLURGICAL ENGINEER OR PROFESSIONAL CERAMIC ENGINEER OR PROFESSIONAL POLYMER ENGINEER OR PROFESSIONAL ENVIRONMENTAL ENGINEER OR PROFESSIONAL OCEANOGRAPHIC ENGINEER OR PROFESSIONAL COASTAL ENGINEER OR PROFESSIONAL WATERSHED ENGINEER OR PROFESSIONAL RIVER ENGINEER OR PROFESSIONAL LAKE ENGINEER OR PROFESSIONAL ESTUARINE ENGINEER OR PROFESSIONAL MARINE ENGINEER OR PROFESSIONAL FISH AND WILDLIFE ENGINEER OR PROFESSIONAL FORESTRY ENGINEER OR PROFESSIONAL RANGELAND ENGINEER OR PROFESSIONAL WILDLIFE ENGINEER OR PROFESSIONAL NATURAL RESOURCES ENGINEER OR PROFESSIONAL HISTORIC PRESERVATION ENGINEER OR PROFESSIONAL ARCHITECTURAL ENGINEER OR PROFESSIONAL INTERIOR DESIGNER OR PROFESSIONAL LANDSCAPE ARCHITECT OR PROFESSIONAL CIVIL ENGINEER OR PROFESSIONAL MECHANICAL ENGINEER OR PROFESSIONAL ELECTRICAL ENGINEER OR PROFESSIONAL CHEMICAL ENGINEER OR PROFESSIONAL INDUSTRIAL ENGINEER OR PROFESSIONAL AERONAUTICAL ENGINEER OR PROFESSIONAL AGRICULTURAL ENGINEER OR PROFESSIONAL MINING ENGINEER OR PROFESSIONAL METALLURGICAL ENGINEER OR PROFESSIONAL CERAMIC ENGINEER OR PROFESSIONAL POLYMER ENGINEER OR PROFESSIONAL ENVIRONMENTAL ENGINEER OR PROFESSIONAL OCEANOGRAPHIC ENGINEER OR PROFESSIONAL COASTAL ENGINEER OR PROFESSIONAL WATERSHED ENGINEER OR PROFESSIONAL RIVER ENGINEER OR PROFESSIONAL LAKE ENGINEER OR PROFESSIONAL ESTUARINE ENGINEER OR PROFESSIONAL MARINE ENGINEER OR PROFESSIONAL FISH AND WILDLIFE ENGINEER OR PROFESSIONAL FORESTRY ENGINEER OR PROFESSIONAL RANGELAND ENGINEER OR PROFESSIONAL WILDLIFE ENGINEER OR PROFESSIONAL NATURAL RESOURCES ENGINEER OR PROFESSIONAL HISTORIC PRESERVATION ENGINEER OR PROFESSIONAL ARCHITECTURAL ENGINEER OR PROFESSIONAL INTERIOR DESIGNER

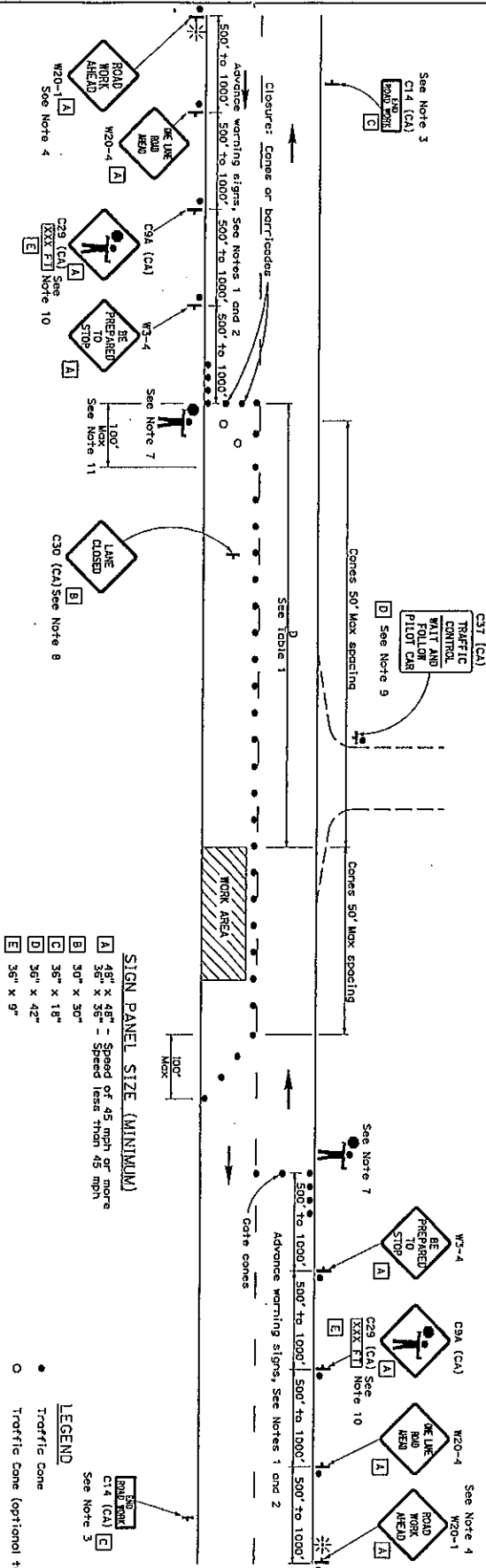
To get the Contract and all the info go to: <http://www.fdot.com>

NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background. California state are designated by (CA). Otherwise, Federal (NUTCO) codes are shown.

- NOTES:
- Where approach speeds are low, advance warning signs may be placed at 300' spacing and placed closer in urban areas.
 - Each advance warning sign shall be equipped with at least two flashing beacons. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
 - A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure, unless the end of work area is obvious, or ends within a longer project's limits.
 - If the W20-1 sign would follow within 200' of a stationery W20-1 or C11 (CA) "ROAD WORK AHEAD" sign, use a C20 (CA) sign for the first advance warning sign.

- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Flashing arrow sign shall be either Type I or Type II.
- The maximum spacing between cones along a taper shall be as shown in Table 1.
- For approach speeds over 50 mph, use the Traffic Control System for Lane Closure On Freeways And Expressways plan for lane closure details and requirements.
- When specified in the special provisions, a W-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.

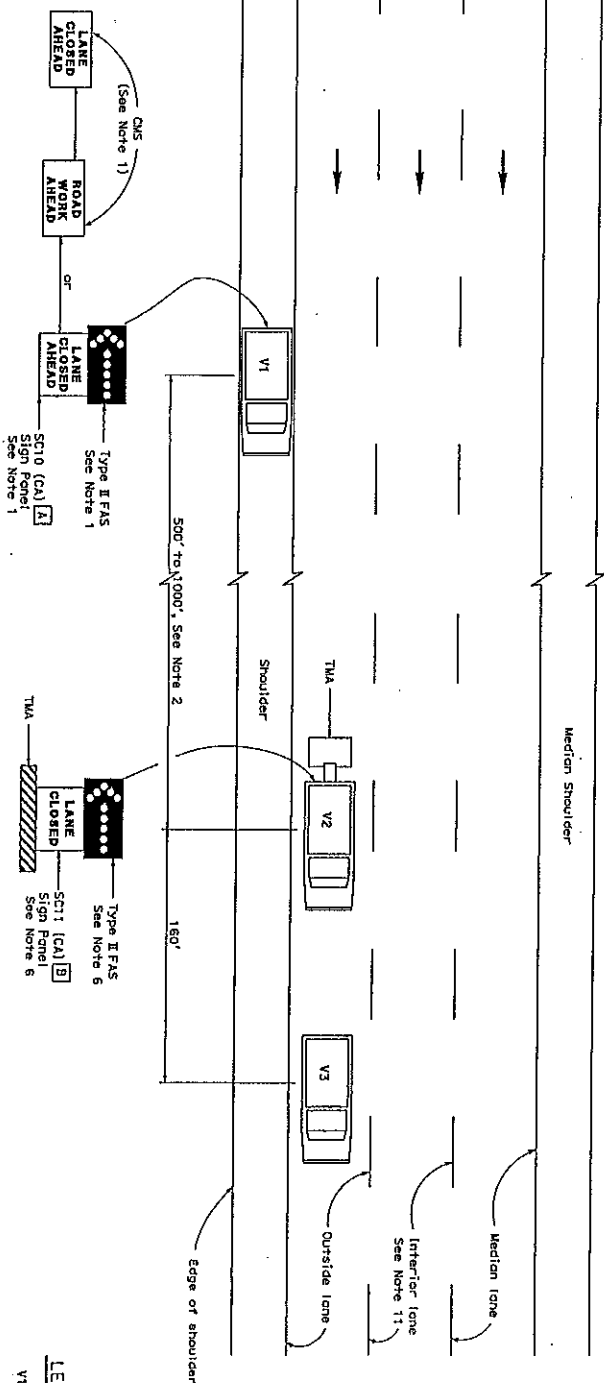
[illegible]

Approach Speed	Minimum D	Downgrade D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 and below	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	332	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	685
65	645	682	728	785

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

T13



MOVING LANE CLOSURE ON MEDIAN LANE OR OUTSIDE LANE OF MULTILANE HIGHWAYS

- NOTES:**
1. Either a changeable message sign or a SC10 (CA) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. A Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1 and used with the SC10 (CA) sign panel. A Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1 and used with the SC10 (CA) sign panel. A Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1 and used with the SC10 (CA) sign panel. A Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1 and used with the SC10 (CA) sign panel.
 2. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
 3. A minimum sight distance of 1500' should be provided in advance of sign vehicle V1.
 4. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distance of 1500'.
 5. Vehicle-mounted sign panels shall be Type III, IV, V, or VI retroreflective, and shall be equipped with specifications.
 6. Gross Vehicle Weight of shadow vehicle V2 shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted attenuator. The sign panel shall be mounted on the rear of shadow vehicle V2. For median lane closure the flashing arrow sign symbol shall be deployed with the arrowhead on the right.
 7. All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application operation.
 8. All vehicles shall be equipped with flashing or rotating amber lights.
 9. Where sufficient shoulder width is not available, sign vehicle V1 may be positioned on the shoulder, as long as it is close to the edge of shoulder or proximity to both V1 and V2 shall be equipped with a truck-mounted attenuator. The Gross Vehicle Weight of V1 and V2 shall be at least 20,000 pounds, respectively.
 10. Where workers would be on foot in the work area, a flashing arrow sign panel (Standard Plan T10, T11, etc., as applicable) shall be used instead of this plan.
 11. For moving lane closure on interior lane of multilane highways, use Standard Plan T16.
 12. When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required, and spacing between work vehicles shall be minimized in order to deter traffic from entering the closure.

LEGEND

- V1 Sign Vehicle
V2 Shadow Vehicle
V3 Work/Application Vehicle
FAS Flashing Arrow Sign (FAS)
CMS Changeable Message Sign
TMA Truck-mounted Attenuator
Direction of Travel

SIGN PANEL SIZE (Min)

- A 66" x 36"
B 54" x 42"

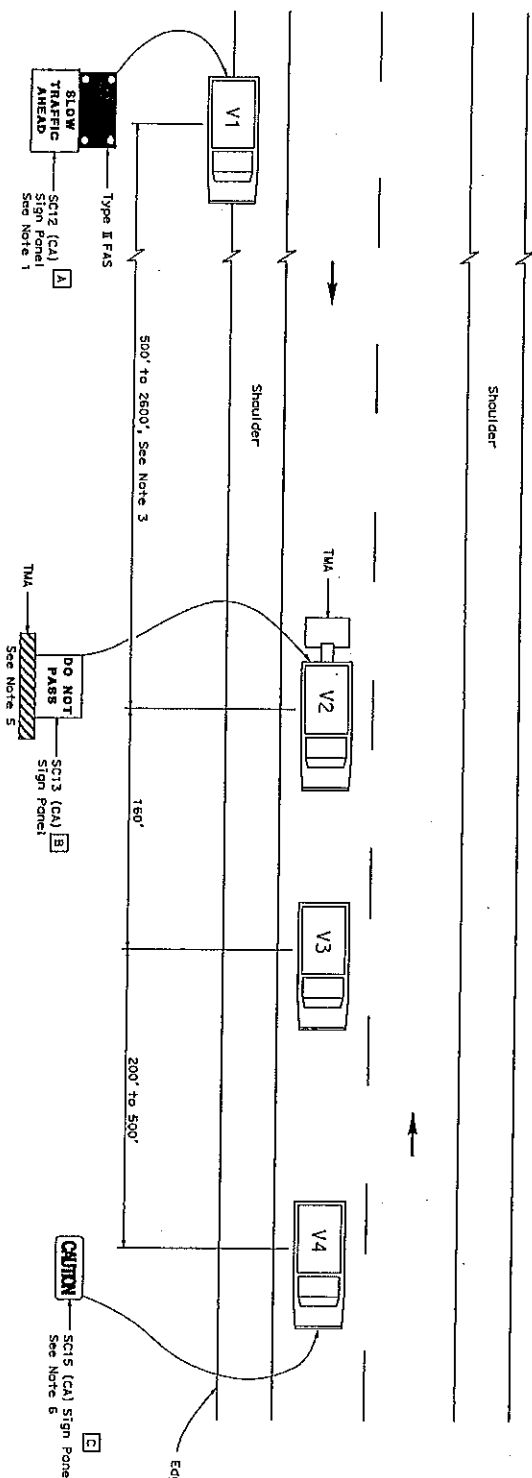
TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS

NO SCALE

T15

0151	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS
REGISTERED CIVIL ENGINEER MAY 1, 2005 PLANS APPROVAL DATE 1. SIGNATURE 2. EXPIRATION DATE 3. EXPIRATION DATE 4. EXPIRATION DATE 5. EXPIRATION DATE 6. EXPIRATION DATE 7. EXPIRATION DATE 8. EXPIRATION DATE 9. EXPIRATION DATE 10. EXPIRATION DATE 11. EXPIRATION DATE 12. EXPIRATION DATE 13. EXPIRATION DATE 14. EXPIRATION DATE 15. EXPIRATION DATE 16. EXPIRATION DATE 17. EXPIRATION DATE 18. EXPIRATION DATE 19. EXPIRATION DATE 20. EXPIRATION DATE 21. EXPIRATION DATE 22. EXPIRATION DATE 23. EXPIRATION DATE 24. EXPIRATION DATE 25. EXPIRATION DATE 26. EXPIRATION DATE 27. EXPIRATION DATE 28. EXPIRATION DATE 29. EXPIRATION DATE 30. EXPIRATION DATE 31. EXPIRATION DATE 32. EXPIRATION DATE 33. EXPIRATION DATE 34. EXPIRATION DATE 35. EXPIRATION DATE 36. EXPIRATION DATE 37. EXPIRATION DATE 38. EXPIRATION DATE 39. EXPIRATION DATE 40. EXPIRATION DATE 41. EXPIRATION DATE 42. EXPIRATION DATE 43. EXPIRATION DATE 44. EXPIRATION DATE 45. EXPIRATION DATE 46. EXPIRATION DATE 47. EXPIRATION DATE 48. EXPIRATION DATE 49. EXPIRATION DATE 50. EXPIRATION DATE 51. EXPIRATION DATE 52. EXPIRATION DATE 53. EXPIRATION DATE 54. EXPIRATION DATE 55. EXPIRATION DATE 56. EXPIRATION DATE 57. EXPIRATION DATE 58. EXPIRATION DATE 59. EXPIRATION DATE 60. EXPIRATION DATE 61. EXPIRATION DATE 62. EXPIRATION DATE 63. EXPIRATION DATE 64. EXPIRATION DATE 65. EXPIRATION DATE 66. EXPIRATION DATE 67. EXPIRATION DATE 68. EXPIRATION DATE 69. EXPIRATION DATE 70. EXPIRATION DATE 71. EXPIRATION DATE 72. EXPIRATION DATE 73. EXPIRATION DATE 74. EXPIRATION DATE 75. EXPIRATION DATE 76. EXPIRATION DATE 77. EXPIRATION DATE 78. EXPIRATION DATE 79. EXPIRATION DATE 80. EXPIRATION DATE 81. EXPIRATION DATE 82. EXPIRATION DATE 83. EXPIRATION DATE 84. EXPIRATION DATE 85. EXPIRATION DATE 86. EXPIRATION DATE 87. EXPIRATION DATE 88. EXPIRATION DATE 89. EXPIRATION DATE 90. EXPIRATION DATE 91. EXPIRATION DATE 92. EXPIRATION DATE 93. EXPIRATION DATE 94. EXPIRATION DATE 95. EXPIRATION DATE 96. EXPIRATION DATE 97. EXPIRATION DATE 98. EXPIRATION DATE 99. EXPIRATION DATE 100. EXPIRATION DATE				

DIST.	COUNTY	ROUTE	POST MILEAGE	SHEET NO.
			TOTAL MILEAGE	NO. OF SHEETS
REGISTERED CIVIL ENGINEER				
MAY 1, 2006				
PLANS APPROVAL DATE				
The State of California or its officers or agents shall not be held responsible for the consequences of any errors or omissions of any kind.				
To get the Difference web site go to: http://www.fwsd.org				



SIGN PANEL SIZE (Min)

A	72" x 42"
B	54" x 42"
C	54" x 24"

LEGEND

- V1 Sign Vehicle
- V2 Shadow Vehicle
- V3 Work/Application Vehicle
- V4 Sign Vehicle
- TMA Truck-Mounted Attenuator
- Direction of Travel
- Flashing Arrow Sign (FAS) in flashing caution mode

- NOTES:**
1. Either a changeable message sign or a SC12 (CA) "SLOW TRAFFIC AHEAD" sign should be used on the rear of sign vehicle V1. A Type II flashing arrow sign may be used with the SC12 (CA) sign panel.
 2. Sign vehicle V1 should be positioned where highly visible when shoulders are not available.
 3. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue.
 4. Vehicle-mounted sign panels shall be Type III, II, III, or II retroreflective sheeting, black on white, black on orange, or black on fluorescent orange, with a minimum series 0 letters per California sign specifications.
 5. Gross vehicle weight of shadow vehicle shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted attenuator. The sign panel shown shall be mounted on the rear of shadow vehicle V2. The message "LANE CLOSED" may be used in place of the "DO NOT PASS" message.
 6. The sign panel shown shall be mounted on the front of sign vehicle V4, facing opposing traffic.
 7. All vehicles shall be equipped with flashing or rotating amber lights.
 8. Sign vehicle V4 will not be required when the work and shadow vehicle V2 are 2 or more from the centerline of the highway during the work or application operations.
 9. All vehicles used for lane closures shall be equipped with two-way radios and the vehicle operators shall maintain communication during the work or application operation.
 10. This plan shall not be used where workers would be on foot in the work area. Use a stationary type lane closure (Standard Plan T13) for this condition.
 11. When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required. One shadow vehicle shall be positioned in order to deter traffic from entering the closed lane.

**TRAFFIC CONTROL SYSTEM
FOR MOVING LANE CLOSURE
ON TWO LANE HIGHWAYS**

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

NO SCALE

T17

- [illegible]

Receipt #: NA (Inter-Departmental Transfer)
Amt: \$490.00
Check # NA
By: JR
Date: 07/06/06

TO BE FILLED OUT BY
ENVIRONMENTAL HEALTH DEPT

Placer County
Department of Health and Human Services
Environmental Health Services
11454 B Ave., Auburn CA 95603 (530) 745-2300
Tahoe Office: P O Box 1909, Tahoe City CA 96145 (530) 581-6240

UST/SOLID WASTE PROGRAMS
Permit Application for:
WELL CONSTRUCTION/DESTRUCTION

1. SR # 34014
2. SR # _____
3. SR # _____
4. SR # _____
5. SR # _____
6. SR # _____

TO BE FILLED OUT BY ENVIRONMENTAL HEALTH DEPT

WELL DESIGNATIONS AS SHOWN ON PLOT PLAN

1. Well ID <u>B-1 - B-15</u>	2. Well ID _____	3. Well ID _____
4. Well ID _____	5. Well ID _____	6. Well ID _____

Project Name <u>KINGS BEACH SIDEWALK</u>	Project Address <u>HIGHWAY 28</u>	Location <u>KINGS BEACH, CA 96143</u>
Well Owner (project owner) <u>STATE OF CALIFORNIA</u>	Well Owner Address <u>P.O. Box 911 Marysville CA</u>	Telephone <u>530-741-4403</u>
Consultant's Name <u>DAVID HELGOG & KLEINBERGER</u>	Consultant's Address <u>4835 CONLEY LANE</u>	Telephone <u>715-639-7800</u>
Consultant's Registration <u>CEC 1295</u>	<u>REC 89502</u>	

If the well is to be located on ADJOINING OR NEARBY PROPERTY owned by another person, you must have that off-site property owner complete the acknowledgement below or attach copies of access agreements.

ACKNOWLEDGEMENT OF OFF-SITE PROPERTY OWNER

I have read this application form and I approve of the construction of this proposed well

See Attached

Well Site Address	
Property Owners Name and Address	Telephone
Property Owners Signature	Date

SUBMITTED SIGNATURE MUST BE ORIGINAL

Please indicate type of well:

- | | |
|---|---|
| <input type="checkbox"/> Groundwater Monitoring | <input checked="" type="checkbox"/> Exploratory Boring /Hydropunch/Geoprobe (indicate number) _____ |
| <input type="checkbox"/> Water Extraction | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Vapor Extraction | <input type="checkbox"/> Well Destruction |
| <input type="checkbox"/> Gas Probe | <input type="checkbox"/> Vadose/Lysimeter |

PURPOSE OF WELL (if not explained in Workplan) _____

Construction Specifications:

☐ Well Specifications and site plan attached

☒ Well Specifications and site plan included in workplan dated 9/5/06
Prepared by KLEINBERGER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT
TR-0120 (REV 6/200)

Permit No. 0306-NSV0685	
Dist/Co/Rte/PM 03-PLA-28-9.34/10.68	
Date September 19, 2006	
Fee Paid \$ Exempt	Deposit \$ N/A
Performance Bond Amount (1) \$ N/A	Payment Bond Amount (2) \$ N/A
Bond Company	
Bond Number (1)	Bond Number (2)

In compliance with (Check one):

- ☒ Your application of September 6, 2006
- ☐ Utility Notice No. _____ of _____
- ☐ Agreement No. _____ of _____
- ☐ RW Contract No. _____ of _____

TO: **Placer County Department of Public Works**
c/o Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: David Herzog
775-689-7800

Ref No.

, PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:
Drill 15 borings having 2-inch Dia, 10 feet deep along the shoulder of State Highway 28 as per attached plans.
The holes need to be filled as per the satisfaction of Caltrans representative.
An approval from USA (Underground Service Alert) is required before digging the holes.

Permittee shall contact State inspector Ron Mills, telephone, (530) 582-8133 Cellular (530) 755-6688, SEVEN (7) working days prior to commencing work, to arrange a pre-job meeting. A 24-hour notification before restarting work shall be strictly adhered to. All work shall be conducted and completed to the satisfaction of Caltrans representative. Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this Permit.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | General Provisions |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Utility Maintenance Provisions |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Special Provisions TRAFFIC CONTROL |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | A Cal-OSHA permit, if required: Permit No. _____ |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | As-Built Plans Submittal Route Slip for Locally Advertised Projects |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Storm Water Pollution Protection Plan |

In addition to fee, the permittee will be billed actual costs for:

- | | | |
|---|--|------------|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Review |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Inspection |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Field work |

(If any Caltrans effort expended)

☐ Yes ☒ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit

This permit is void unless the work is completed before December 1, 2006

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained

Ron Mills
P.O. Box 579
Truckee, CA 96160
(530) 582-8133 Cellular (530) 755-6688

APPROVED:

JODY JONES, District Director

BY:

BRUCE D. CAPAUL, Chief-Office of Encroachment Permits

cc: Stan Richins, Maint-Sutter/Sierra Region

ADA Notice

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FM 91 1435

Page 1



OFFICE OF THE
Placer County Health & Human Services
ENVIRONMENTAL HEALTH
SERVICES

11454 "B" Avenue, Auburn, CA 95603
(530) 745-2300, FAX (530) 886-3344

WELL DRILLER'S AUTHORIZATION LETTER

Site Address: HIGHWAY 28
City, Zip: KNOS BEACH, CA 96143
Well Driller: Western Strata Exploration Inc.
Driller's Address: P.O. Box 657
City, Zip: Clarksburg, Ca. 95612
Driller's Phone #: 916-744-1440
C-57 License #: 57-552198 Expiration Date: _____

*Cancelled 09/25/06.
See Well Driller's
Authorization letter
from the substitute
driller, Environmental
Control Associates
(ECA) Inc.*

For the sole purpose of procuring permits for the construction, modification, repair, or destruction of wells or soil borings. I hereby designate the following entity(ies) to act as my authorized representatives:

Name(s): DAVID HERZOG
Company: KLEINFELDER
Address: 4835 LONGLEY LANE
City, Zip: RENO, NV 89502

I understand that, as the applicant for permit for activities regulated under Subchapter 8 of the Placer County Code, I am responsible for compliance with all provisions of the Chapter. I further understand that, upon written notification to the Division of Environmental Health, I may rescind this authorization:

Signature of Licensed Well Driller: [Signature]

Printed Name: Gordon Jensen

Date: 9/5/06

DRILLING CONTRACTOR
INFORMATION AND CERTIFICATION

Project Name: KINGS BEACH SIDEWALKS
Drilling Company Name: Western State Exploration
Drilling Company Address: 203X 657 Clarkburg, CA

C-57 License No. 57-552198
Phone # 916-744-1440

NOTICE TO DRILLING CONTRACTOR: The Environmental Health Division shall be notified at least 48 hours in advance of drilling to schedule the REQUIRED inspections.

DRILLING CONTRACTOR'S WORKERS COMPENSATION DECLARATION
(ONE of the following three boxes must be completed)

- ☐ 1. A certified copy of Worker's Compensation Insurance is hereby furnished.
- ☐ 2. A current effective certificate is filed with Placer County Building Department or Environmental Health Division.
- ☐ 3. I certify that in performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the California Worker's Compensation Act.

C. If well is located in or may otherwise obstruct public right-of-way, an encroachment permit is required.

I HAVE READ AND UNDERSTAND THE FOREGOING STATEMENTS (A, B & C) AND CERTIFY THAT ALL RELEVANT ACTIVITIES WILL BE PERFORMED IN COMPLIANCE WITH THESE STATEMENTS AND APPLICABLE CODES AND REGULATIONS. I HAVE SHOWN ALL EASEMENTS ON THE PROPERTY.

Well Drilling Contractor Signature [Signature]

Date 9/5/06

FOR OFFICIAL USE ONLY

(Below this point)

☐ RWQCB Concurrence Received

This permit is issued subject to the following conditions. If these conditions are not satisfied, this approval/permit is null and void.

1. Monitoring wells shall be destroyed as required by the Environmental Health Division or R.W.Q.C.B.
2. Monitoring wells shall be capped and locked at all times except during sampling.
3. This permit expires one (1) year after date of issuance, but may be renewed for a fee if application is made PRIOR to expiration date.
4. All wells shall be constructed/destroyed pursuant to the standards set forth in the State of California Water Well Standards, Bulletin 74-90.

When signed by Placer County Environmental Health Division authorized representative, the application constitutes a PERMIT TO CONSTRUCT the subject well as herein specified:

Permit Issued by: [Signature] REHS

Date 09/25/06

Seal Inspection Date: 09/25/06, 09/26/06

Comments: 09/25/06 Seal

brines B-1 to B-10 and B-12 were advanced, sampled and sealed. 09/26/06 Seal
brines B-11 and B-13 to B-15 were advanced, sampled and sealed. Okay to Finalize
this permit. [Signature] REHS 09/26/06

* VERIFICATION HAS BEEN MADE THAT THE INFORMATION PROVIDED IS TRUE AND CORRECT



OFFICE OF THE
Placer County Health & Human Services
ENVIRONMENTAL HEALTH
SERVICES

11454 "B" Avenue, Auburn, CA 95603
(530) 745-2300, FAX (530) 886-3344

WELL DRILLER'S AUTHORIZATION LETTER

Site Address: Kings Beach Sidewalk Project, North Lake Boulevard (Highway 28)

City, Zip: Kings Beach 96143

Well Driller: ECA, Inc.

Driller's Address: 605 West Lake Blvd. #3 (P.O. Box 52)

City, Zip: Tulsa City 96145

Driller's Phone #: (530) 581-6240

C-57 License #: 695970 Expiration Date: 9/30/08

For the sole purpose of procuring permits for the construction, modification, repair, or destruction of wells or soil borings. I hereby designate the following entity(ies) to act as my authorized representatives:

Name(s): David Harzong

Company: Klopfelder Inc.

Address: 4835 Langley Lane

City, Zip: Reno NV 89502

I understand that, as the applicant for permit for activities regulated under Subchapter 8 of the Placer County Code, I am responsible for compliance with all provisions of the Chapter. I further understand that, upon written notification to the Division of Environmental Health, I may rescind this authorization:

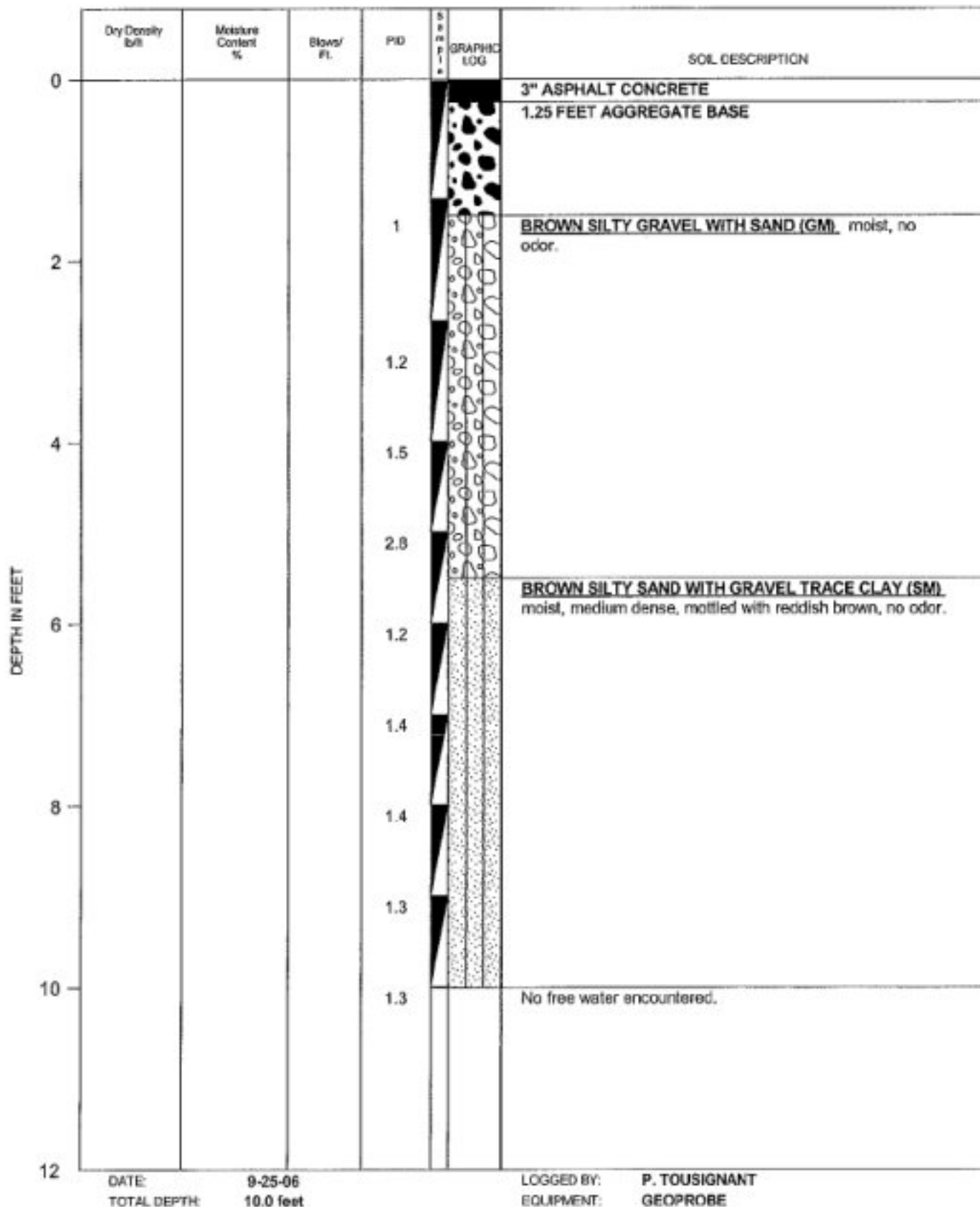
Signature of Licensed Well Driller: [Signature]

Printed Name: TIM TYLER FOR ECA

Date: 09/22/08

APPENDIX B

Boring Logs



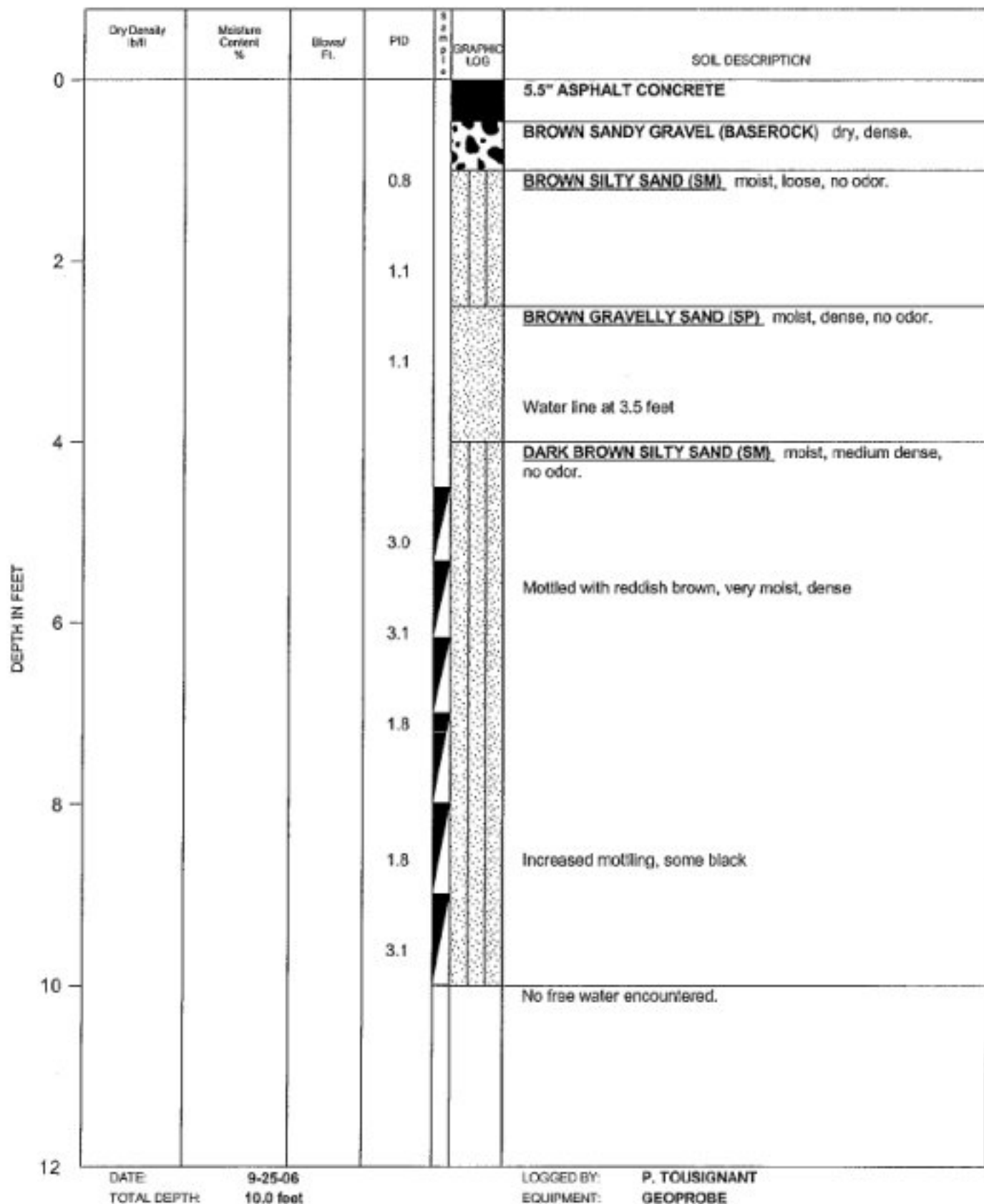
KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-1

PLATE

2



KLEINFELDER















PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-2

PLATE

3

DEPTH IN FEET

Dry Density (pcf)	Moisture Content (%)	Blow/ Ft.	PD	GRAPHIC LOG	SOIL DESCRIPTION
0					5.5" ASPHALT CONCRETE
					BROWN SANDY GRAVEL (BASEROCK) dry, dense.
2			0.8		BROWN SILTY SAND (SM) moist, loose, no odor.
			1.1		
			1.1		BROWN GRAVELLY SAND (SP) moist, dense, no odor.
			1.1		Water line at 3.5 feet
4					DARK BROWN SILTY SAND (SM) moist, medium dense, no odor.
			3.0		
			3.1		Mottled with reddish brown, very moist, dense
6			1.8		
			1.5		Increased mottling, some black
			3.1		
10					No free water encountered.
12					

DATE: 9-25-06
TOTAL DEPTH: 10.0 feet

LOGGED BY: P. TOUSIGNANT
EQUIPMENT: GEOPROBE



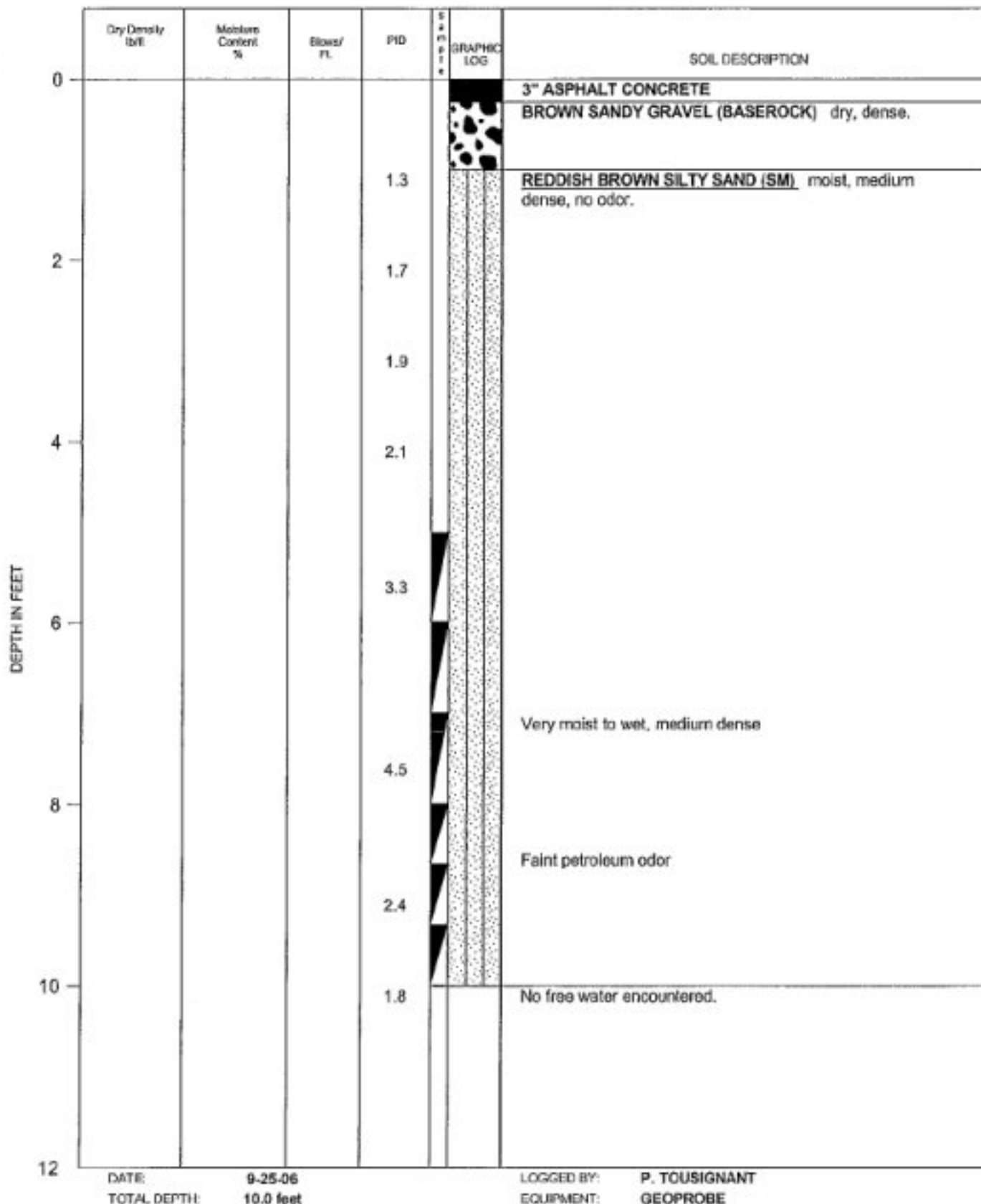
KLEINFELDER

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-2

PLATE

3

PROJECT NO. 74330.00



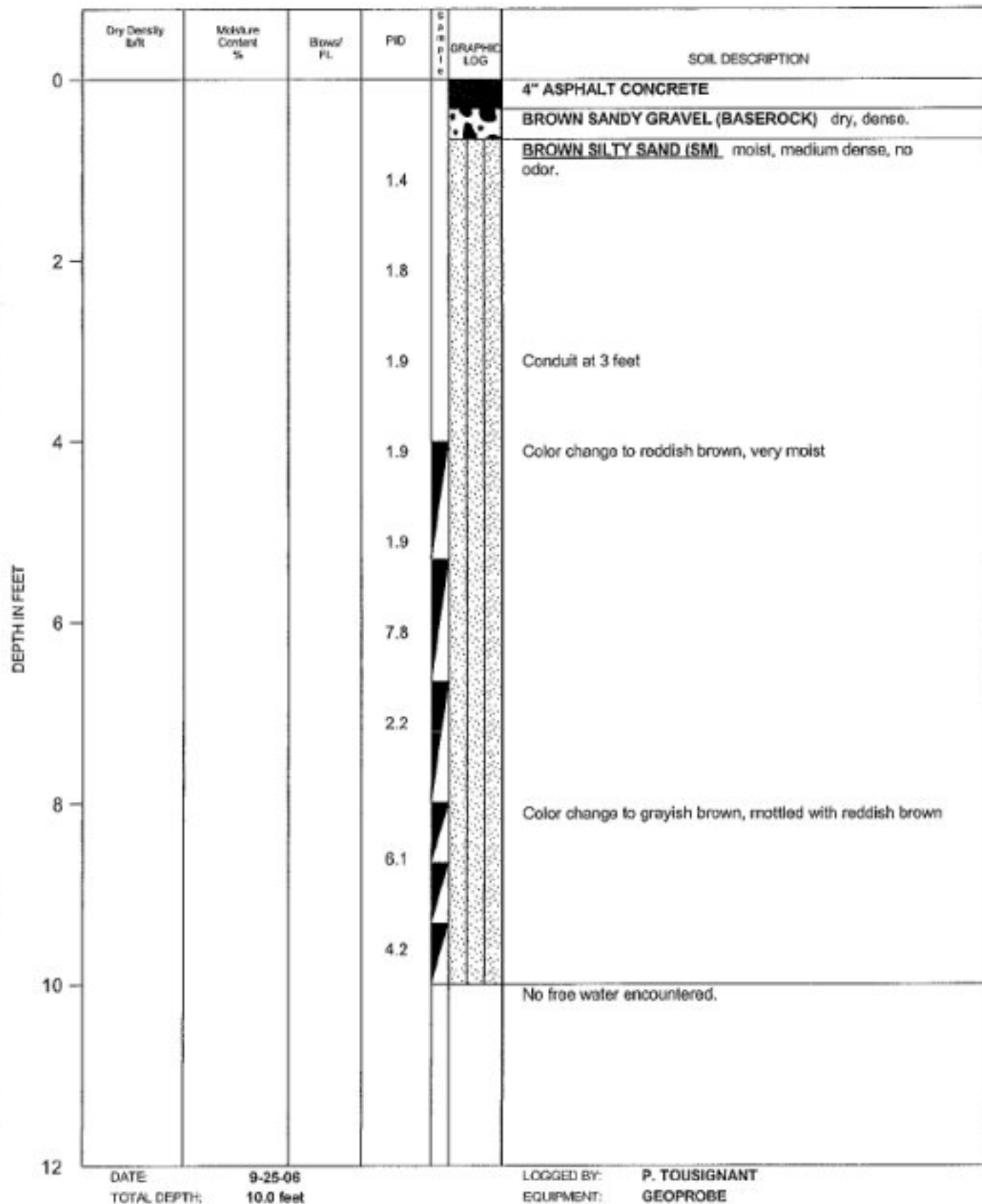
KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-4

PLATE

5



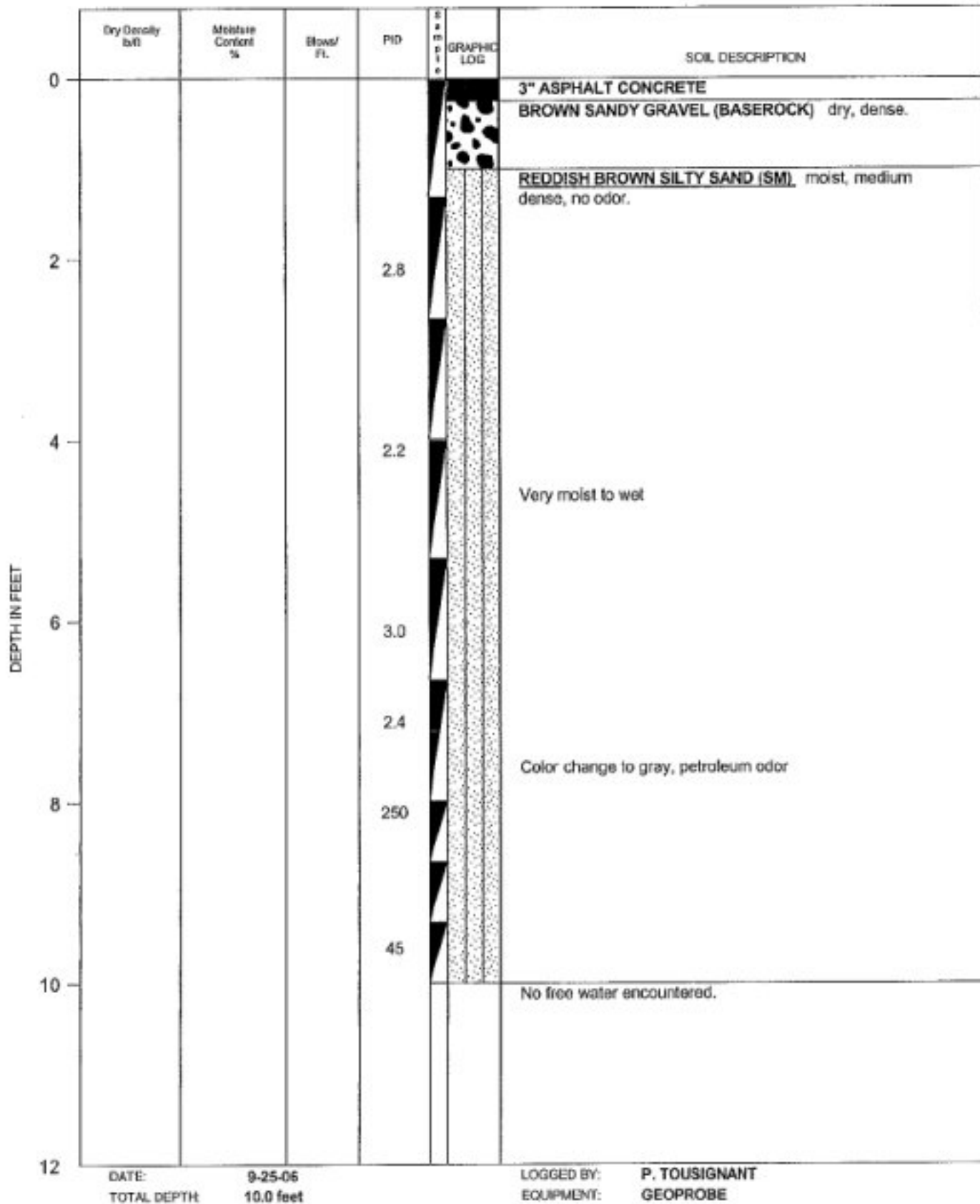
KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-5

PLATE

6



KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-6

PLATE

7

DEPTH IN FEET	Dry Density lb/ft ³	Moisture Content %	Blows/ Ft.	PID	GRAPHIC LOG	SOIL DESCRIPTION
0						5" ASPHALT CONCRETE
						BROWN SANDY GRAVEL (BASEROCK) dry, dense.
				2.1		<u>BROWN SILTY SAND (SM)</u> moist, medium dense, no odor.
2				1.9		
				1.9		
4				1.7		
				1.9		
6				2.1		Mottled with grayish brown
				2.9		
						Mottled with reddish brown
8				1.9		
				1.6		Very moist
10				2.1		No free water encountered.
12						

DATE: 9-25-06
TOTAL DEPTH: 10.0 feet

LOGGED BY: P. TOUSIGNANT
EQUIPMENT: GEOPROBE



KLEINFELDER

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-7

PLATE

8

PROJECT NO. 74330.03

DEPTH IN FEET

	Dry Density lb/ft ³	Moisture Content %	Blows/ Ft.	PID	GRAPHIC LOG	SOIL DESCRIPTION
0						5" ASPHALT CONCRETE
				1.1		BROWN SANDY GRAVEL (BASEROCK) dry, dense.
				1.9		
2				2.1		REDDISH BROWN SILTY SAND (SM) moist, medium dense, no odor.
				2.7		Water line at 3 feet
4				1.9		BROWN SANDY GRAVEL (GP) moist, very dense, no odor.
6						Refusal at 5 feet. No free water encountered.
8						
10						
12						

DATE: 9-25-06
TOTAL DEPTH: 5.0 feet

LOGGED BY: P. TOUSIGNANT
EQUIPMENT: GEOPROBE



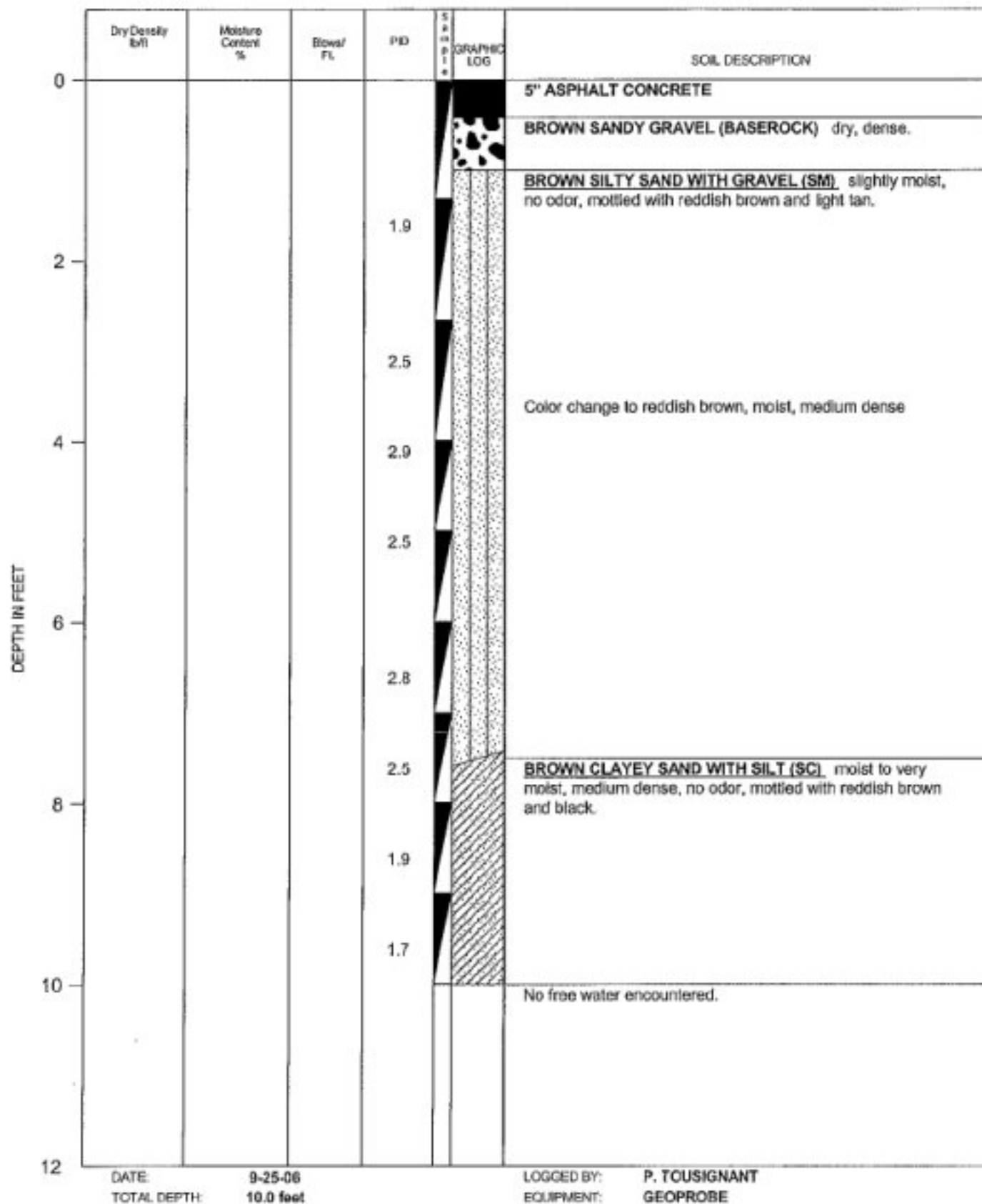
KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-8

PLATE

9



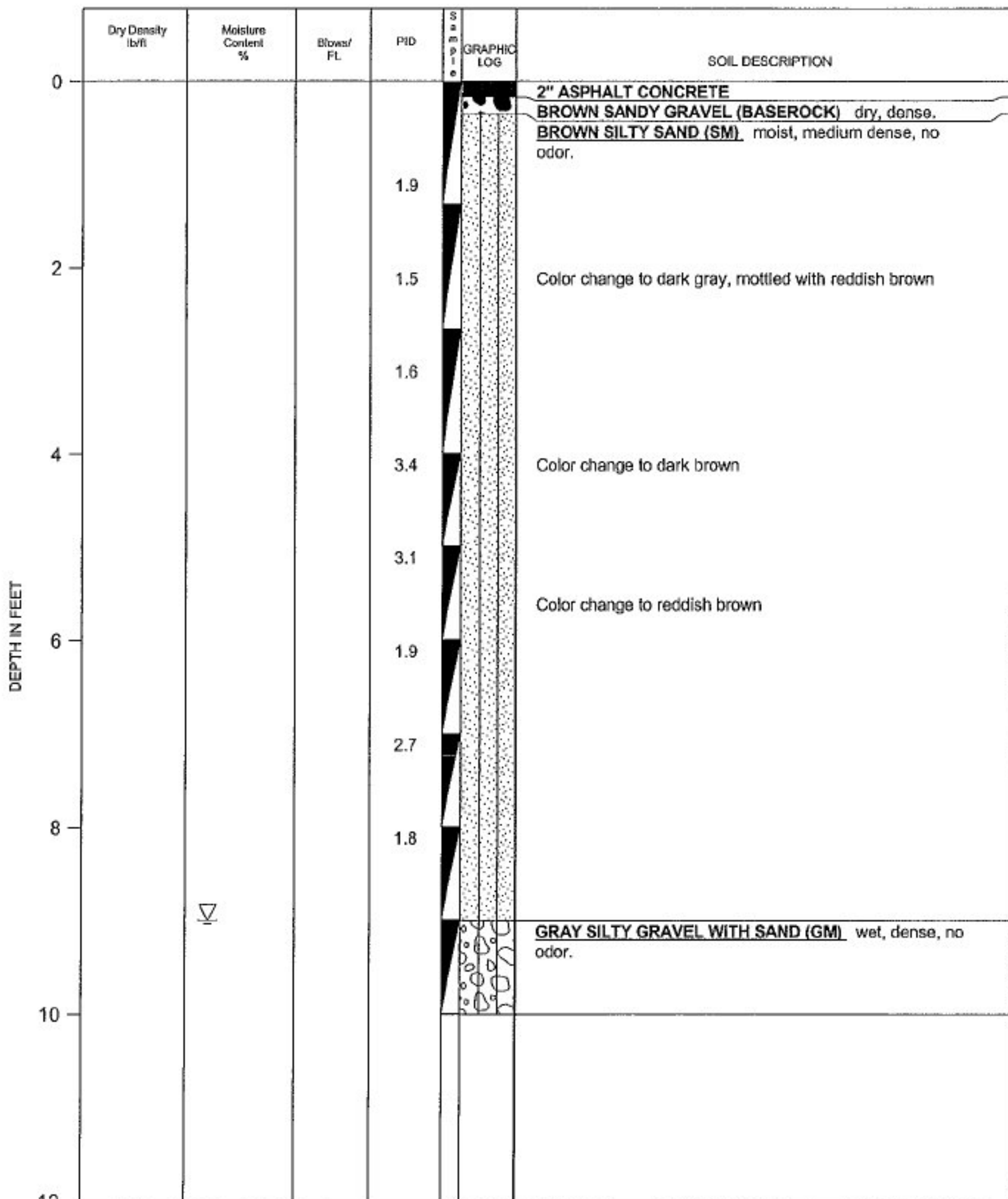
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PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
 IMPROVEMENT PROJECT
 NORTH LAKE BOULEVARD
 KINGS BEACH, CALIFORNIA
 LOG OF B-9

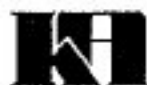
PLATE

10



DATE: 9-25-06
TOTAL DEPTH: 10.0 feet

LOGGED BY: P. TOUSIGNANT
EQUIPMENT: GEOPROBE



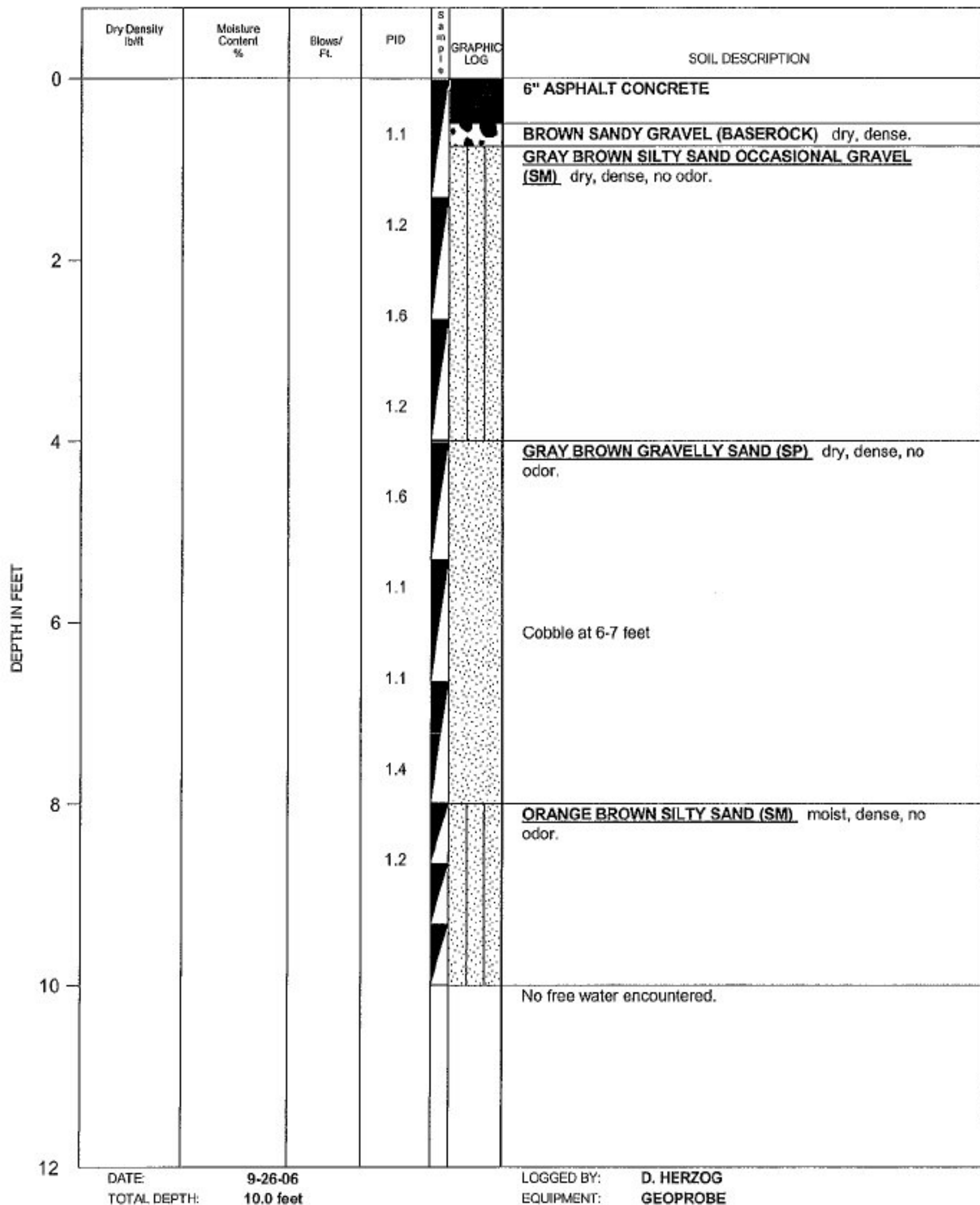
KLEINFELDER

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-10

PLATE

11

PROJECT NO. 74330.03



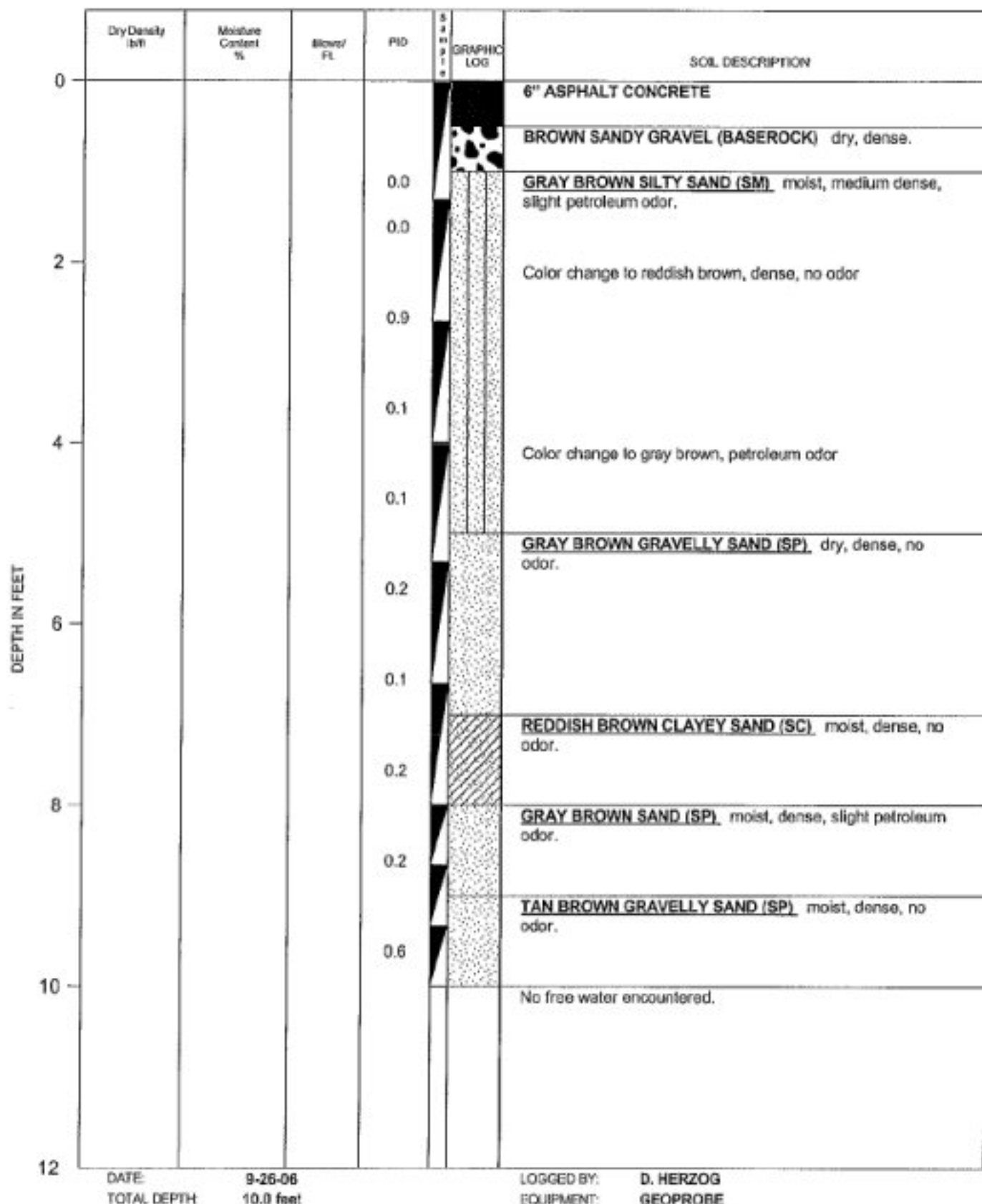
KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
 IMPROVEMENT PROJECT
 NORTH LAKE BOULEVARD
 KINGS BEACH, CALIFORNIA
 LOG OF B-11

PLATE

12



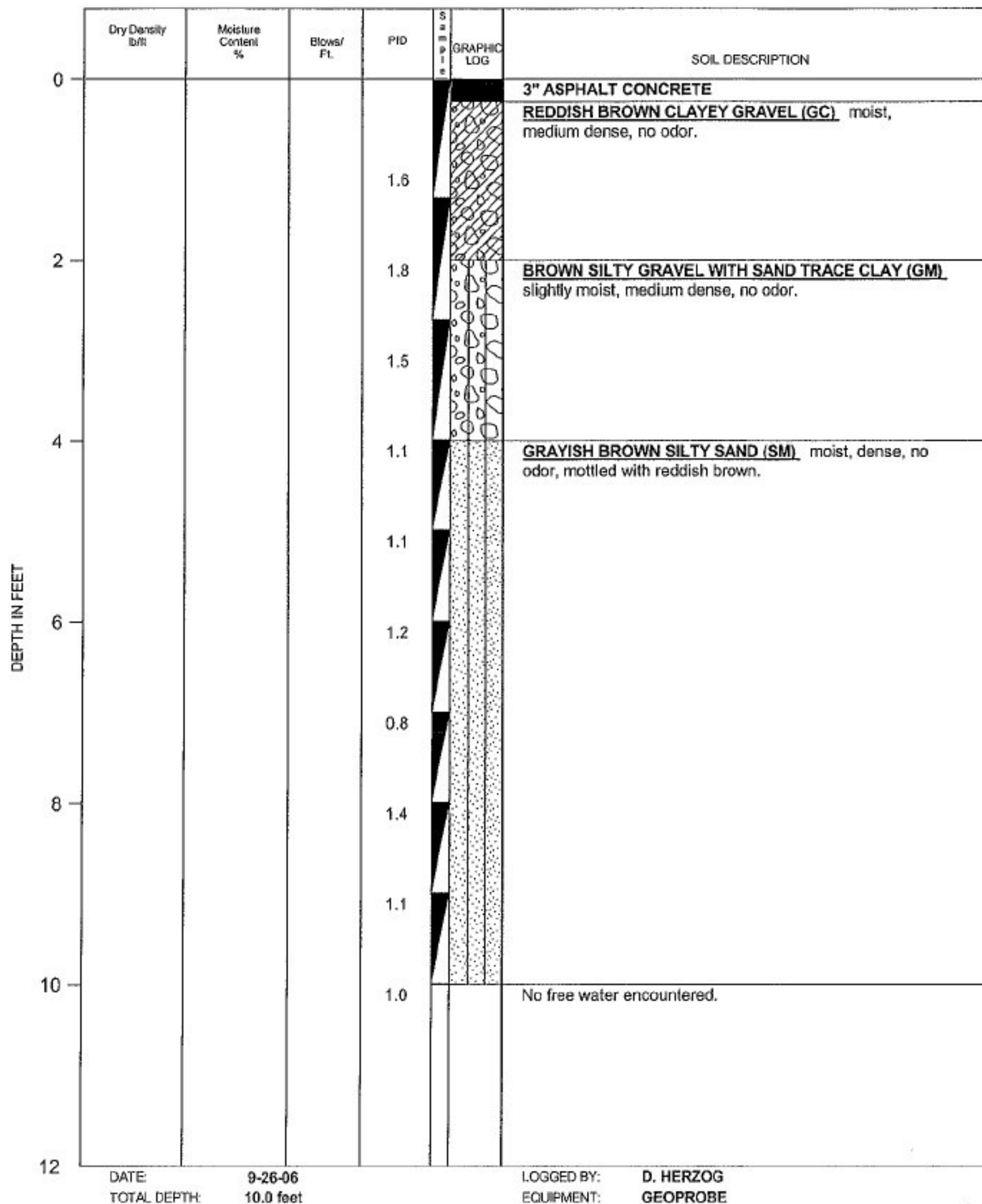
KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
 IMPROVEMENT PROJECT
 NORTH LAKE BOULEVARD
 KINGS BEACH, CALIFORNIA
 LOG OF B-12

PLATE

13



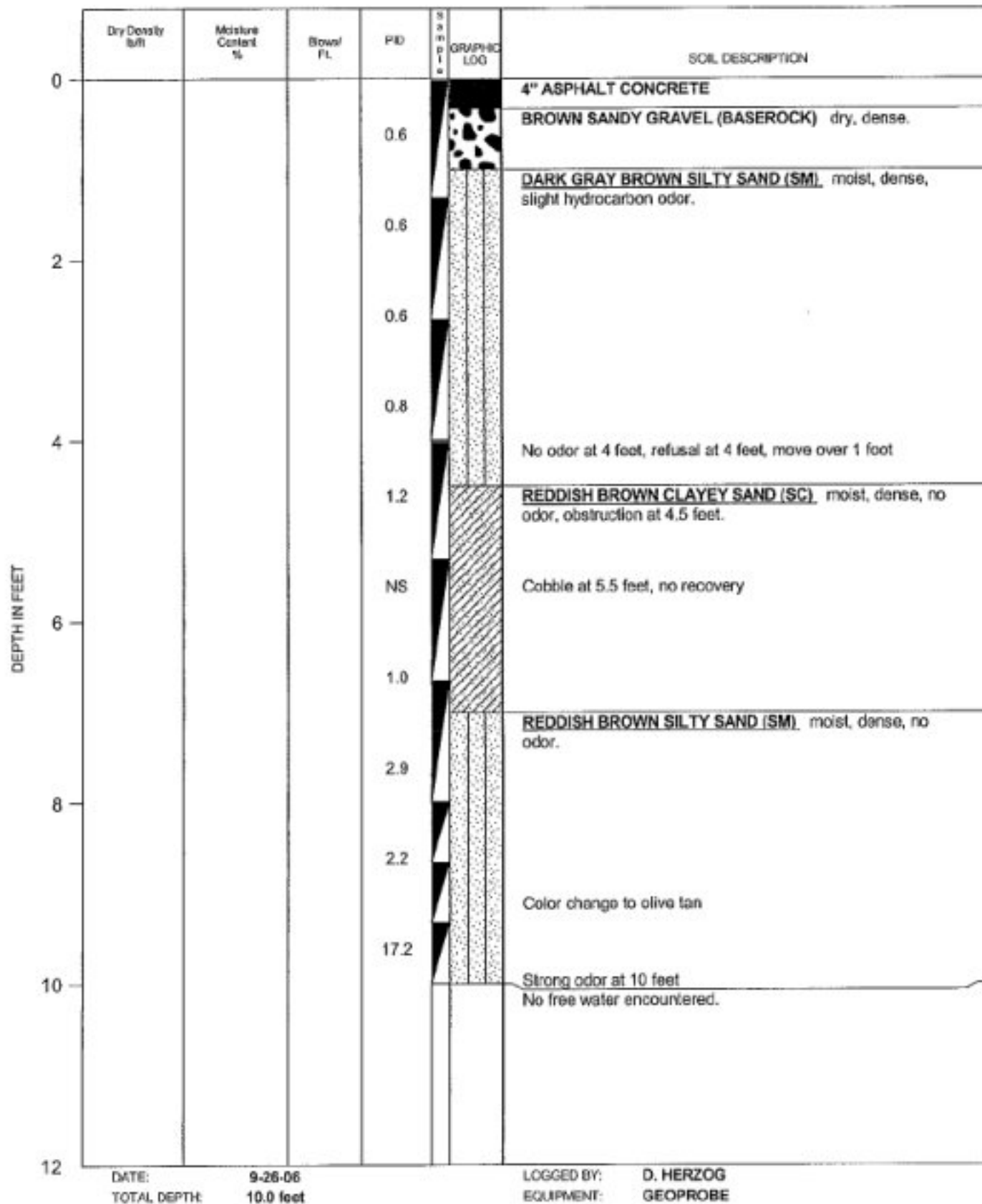
KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
 IMPROVEMENT PROJECT
 NORTH LAKE BOULEVARD
 KINGS BEACH, CALIFORNIA
 LOG OF B-13

PLATE

14



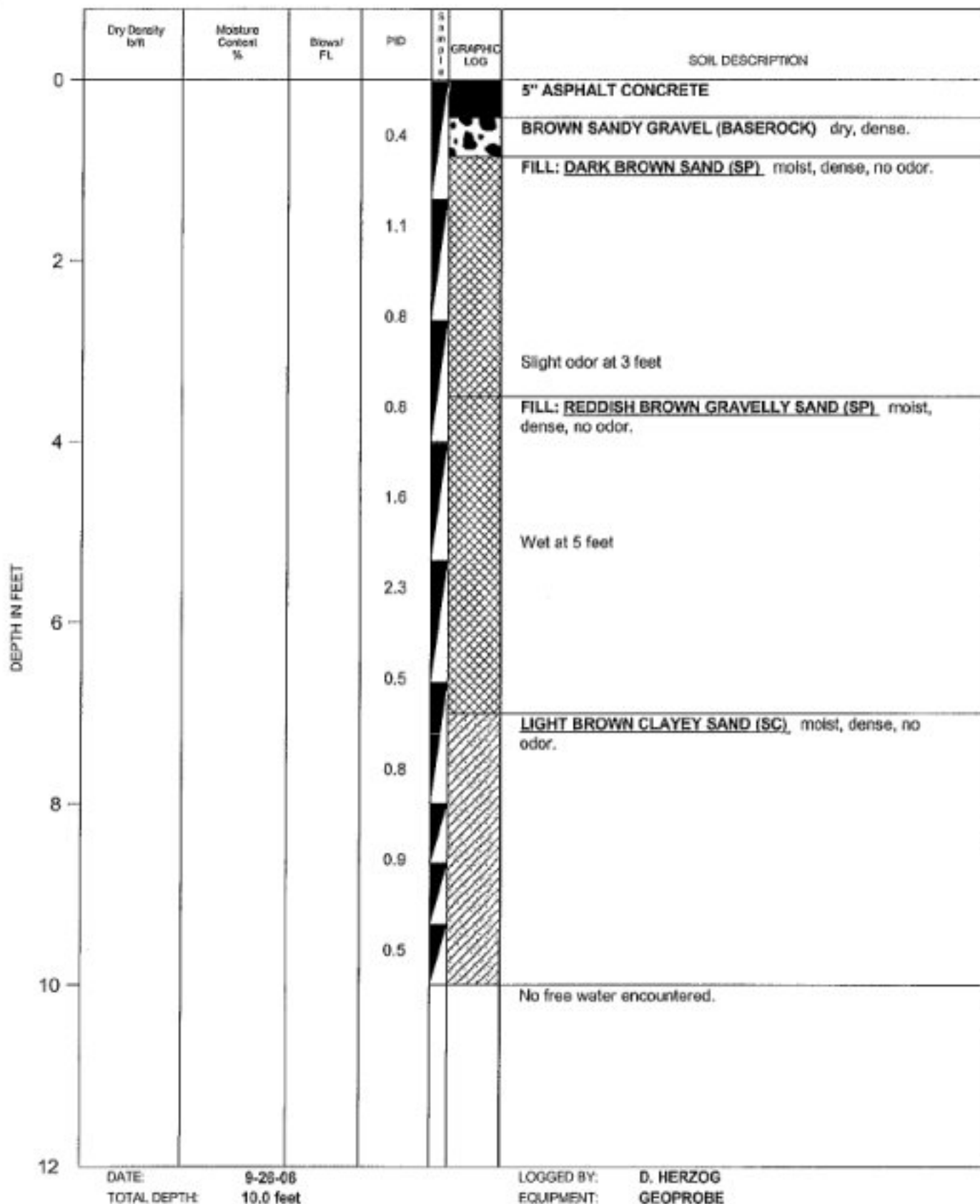
KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
 IMPROVEMENT PROJECT
 NORTH LAKE BOULEVARD
 KINGS BEACH, CALIFORNIA
 LOG OF B-14

PLATE

15



KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-15

PLATE

16

THE UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS				GROUP SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOIL More than 50% of the material is LARGER than the No. 200 sieve.	GRAVELS More than 50% of coarse part is LARGER than the No. 4 Sieve.	CLEAN GRAVELS Less than 5% finer than No. 200 Sieve.	PI<4	GW	Well graded gravels, gravel - sand mixtures, little or no fines, Cu>4 & 1<Cc>3
			PI>7	GP	Poorly graded gravels or gravel - sand mixtures, little or no fines Cu<4 or 1>Cc<3
		GRAVEL More than 12% finer than No. 200 Sieve.		GM	Silty gravels, gravel - sand - silt mixtures
				GC	Clayey gravels, gravel - sand - clay mixtures
	SANDS More than 50% of coarse part is SMALLER than the No. 4 Sieve.	CLEAN SANDS Less than 5% finer than No. 200 Sieve.		SW	Well graded sands, gravelly sands, little or no or no fines, Cu>6 & 1<Cc>3
				SP	Poorly graded sands or gravelly sands, little or no fines Cu<6 or 1>Cc<3
		SAND More than 12% finer than No. 200 Sieve.	PI<4	SM	Silty sands, sand - silt mixtures
			PI>7	SC	Clayey sands, sand - clay mixtures
FINE GRAINED SOIL More than 50% of the material is SMALLER than the No. 200 sieve.	SILTS AND CLAYS Liquid limit LESS than 50	PI-Below A-Line	ML	Inorganic silts, rock flour, or clayey silts of low plasticity	
		PI-Above A-Line	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	
			OL	Organic silts & organic clays of low plasticity	
	SILTS AND CLAYS Liquid limit GREATER than 50	PI-Below A-Line	MH	Inorganic silts, clayey silts, or silts of high plasticity	
		PI-Above A-Line	CH	Inorganic clays of high plasticity, fat clays	
			OH	Organic clays of medium to high plasticity, organic silts	
		HIGHLY ORGANIC SOILS			PT

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

BOULDERS	COBBLES	GRAVEL		SAND			SILT	CLAY
		Coarse	Fine	Coarse	Medium	Fine		
12"	3"	3/4"	#4	#10	#40	#200	0.002 mm	

DESCRIPTIVE TERMS USED WITH SOILS

CONSISTENCY & APPARENT DENSITY		
	SILTS & CLAYS	SANDS & GRAVELS
Strongest	Hard	Very Dense
	Very Stiff	Dense
	Stiff	Medium Dense
	Medium Stiff	Loose
Weakest	Soft	Very Loose
	Very Soft	

MOISTURE CONTENT	
Wettest	Wet
	Very Moist
	Moist
	Slightly Moist
Driest	Dry
▽	- Water Level Observed During Exploration
▽	- Water Level Observed After Exploration

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KLEINFELDER

4835 LONGLEY LANE
RENO, NEVADA 89502
Tel. (775) 689-7800

PROJECT NO. 74330.03

KEY TO SOIL CLASSIFICATION AND TERMS

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA

PLATE

17

SYMBOLS



Disturbed Bag or Bulk Sample



Standard Penetration Sample
(1.4 inch I.D., 2.0 inch O.D.)



Modified California (Porter) Sample
(2.0 inch I.D., 2.56 inch O.D.)



No Sample Recovery



Water Level Observed During Drilling



Water Level Observed After Drilling

COMMENTS

NOTE: Blow count represents the number of blows required to drive a sampler through the last 12 inches of an 18 inch penetration. A standard 140 pound hammer with a 30.4 inch free fall is used to drive the sampler.

NOTE: The lines separating strata on the logs represent approximate boundaries only. The actual transition may be gradual. No warranty is provided as to the continuity of soil strata between borings.

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Tel. (775) 689-7800

PROJECT NO. 74330.03

KEY TO BORING LOGS

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA

PLATE

18

APPENDIX C

Laboratory Reports



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810
Date Received : 09/27/06

Job#: 74330.02

Metals by ICPMS
EPA Method SW6020 / SW6020A

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	B-2 1-2ft.					
Lab ID :	KLF06092756-04A	Lead (Pb)	11	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-6 8-9ft.					
Lab ID :	KLF06092756-18A	Lead (Pb)	4.7	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-9 2-3ft.					
Lab ID :	KLF06092756-24A	Lead (Pb)	6.0	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-10 4-5ft.					
Lab ID :	KLF06092756-28A	Lead (Pb)	7.1	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-13 2-3ft.					
Lab ID :	KLF06092756-30A	Lead (Pb)	3.8	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-11 4-5ft.					
Lab ID :	KLF06092756-37A	Lead (Pb)	25	1.0 mg/Kg	09/26/06	10/23/06
Client ID :	B-12 4-5ft.					
Lab ID :	KLF06092756-41A	Lead (Pb)	3.2	1.0 mg/Kg	09/26/06	10/23/06
Client ID :	B-15 4-5ft.					
Lab ID :	KLF06092756-47A	Lead (Pb)	2.8	1.0 mg/Kg	09/26/06	10/23/06

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

[Signature]

10/26/06

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810
Date Received : 09/27/06

Job#: 74330.02

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration		Reporting Limit	Date Sampled	Date Analyzed
Client ID :	B1 1-2ft.	TPH-E (Diesel)	21	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-01A	TPH-E (Oil)	99	+	50 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
Client ID :	B-1 4-5ft.	TPH-E (Diesel)	15	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-02A	TPH-E (Oil)	56	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
Client ID :	B-1 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-03A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
Client ID :	B-2 1-2ft.	TPH-E (Diesel)	29	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-04A	TPH-E (Oil)	200	+	50 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
Client ID :	B-2 4-5ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-05A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06



Alpha Analytical, Inc.

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Client ID :	B-2 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-06A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
Client ID :	B-3 1-2ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-07A	TPH-E (Oil)	16	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
Client ID :	B-3 4-5ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-08A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/28/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/28/06
Client ID :	B-3 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-09A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
Client ID :	B-4 1-2ft.	TPH-E (Diesel)	10	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-10A	TPH-E (Oil)	63	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
Client ID :	B-4 4-5ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-11A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-4 8-9ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-12A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06



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Client ID :	B-5 1-2ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-13A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-5 5-6ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-14A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-5 9-10ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-15A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-6 2-4ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-16A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-6 5-6ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-17A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-6 8-9ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-18A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	340	25 mg/Kg	09/25/06	09/30/06
		Benzene	ND V	130 µg/Kg	09/25/06	09/30/06
		Toluene	ND V	130 µg/Kg	09/25/06	09/30/06
		Ethylbenzene	800	130 µg/Kg	09/25/06	09/30/06
		m,p-Xylene	2,600	130 µg/Kg	09/25/06	09/30/06
		o-Xylene	190	130 µg/Kg	09/25/06	09/30/06
Client ID :	B-7 1-2ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-19A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06



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Client ID :	B-7 6-7ft.	TPH-E (Diesel)	6.0	C	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-20A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-7 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-21A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-8 1-2ft.	TPH-E (Diesel)	8.7	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-22A	TPH-E (Oil)	40	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-8 4-5ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-23A	TPH-E (Oil)	18	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-9 2-3ft.	TPH-E (Diesel)	31	*	25 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-24A	TPH-E (Oil)	330	+	50 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-9 4-5ft.	TPH-E (Diesel)	17	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-25A	TPH-E (Oil)	140	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-9 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	10/04/06
Lab ID :	KLF06092756-26A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	10/04/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/29/06



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Client ID :	B-10 2-3ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-27A	TPH-E (Oil)	32	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-10 4-5ft.	TPH-E (Diesel)	120	*	50 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-28A	TPH-E (Oil)	1,300	+	100 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	5.1		5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	16		5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-10 7-9ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-29A	TPH-E (Oil)	34	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-13 2-3ft.	TPH-E (Diesel)	270	*	500 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-30A	TPH-E (Oil)	4,100	+	1,000 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-13 4-5ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-31A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/30/06
Client ID :	B-13 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-32A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/30/06
Client ID :	DUP1	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-33A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/30/06



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Client ID :	DUP2	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-34A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/30/06
Client ID :	DUP3	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-35A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/30/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/30/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/30/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/30/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/30/06
Client ID :	B-11 1-2ft.	TPH-E (Diesel)	76	*	50 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-36A	TPH-E (Oil)	590	+	100 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/26/06	09/30/06
Client ID :	B-11 4-5ft.	TPH-E (Diesel)	700	*	500 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-37A	TPH-E (Oil)	4,700	+	1,000 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/26/06	09/30/06
Client ID :	B-11 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-38A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/26/06	09/30/06
Client ID :	DUP5	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-39A	TPH-E (Oil)	14	+	10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/26/06	09/30/06
Client ID :	B-12 1-2ft.	TPH-E (Diesel)	26	*	5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-40A	TPH-E (Oil)	160	+	10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	O	10 µg/Kg	09/26/06	09/30/06
		Toluene	ND	O	10 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND	O	10 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND	O	10 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND	O	10 µg/Kg	09/26/06	09/30/06
Client ID :	B-12 4-5ft.	TPH-E (Diesel)	36	*	5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-41A	TPH-E (Oil)	200	+	50 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	O	10 µg/Kg	09/26/06	09/30/06
		Toluene	ND	O	10 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND	O	10 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND	O	10 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND	O	10 µg/Kg	09/26/06	09/30/06
Client ID :	B-12 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-42A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06



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Client ID :	B-14 1-2ft.	TPH-E (Diesel)	16	*	5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-43A	TPH-E (Oil)	130	+	10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	O	20 µg/Kg	09/26/06	09/30/06
		Toluene	ND	O	20 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND	O	20 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND	O	20 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND	O	20 µg/Kg	09/26/06	09/30/06
Client ID :	B-14 3-4ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-44A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	1.5		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
Client ID :	B-14 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-45A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
Client ID :	B-15 1-2ft.	TPH-E (Diesel)	100	*	50 mg/Kg	09/26/06	10/03/06
Lab ID :	KLF06092756-46A	TPH-E (Oil)	660	+	100 mg/Kg	09/26/06	10/03/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	O	10 µg/Kg	09/26/06	09/30/06
		Toluene	ND	O	10 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	11		10 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	34		10 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND	O	10 µg/Kg	09/26/06	09/30/06
Client ID :	B-15 4-5ft.	TPH-E (Diesel)	370	*	100 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-47A	TPH-E (Oil)	2,900	+	1,000 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	O	20 µg/Kg	09/26/06	09/30/06
		Toluene	ND	O	20 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND	O	20 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	52		20 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND	O	20 µg/Kg	09/26/06	09/30/06
Client ID :	B-15 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-48A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
Client ID :	DUP4	TPH-E (Diesel)	200	*	20 mg/Kg	09/27/06	09/29/06
Lab ID :	KLF06092756-49A	TPH-E (Oil)	1,300	+	200 mg/Kg	09/27/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/27/06	09/30/06
		Benzene	ND	O	10 µg/Kg	09/27/06	09/30/06
		Toluene	ND	O	10 µg/Kg	09/27/06	09/30/06
		Ethylbenzene	ND	O	10 µg/Kg	09/27/06	09/30/06
		m,p-Xylene	ND	O	10 µg/Kg	09/27/06	09/30/06
		o-Xylene	ND	O	10 µg/Kg	09/27/06	09/30/06



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*Note: Reported diesel concentration may include some undifferentiated heavier-end hydrocarbons.

+Note: Compounds outside the range of diesel have varying amounts of recovery.

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

O = Reporting Limits were increased due to sample foaming.

V = Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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10/5/06

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ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502
Job#: 74330.02

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-36A
Client I.D. Number: B-11 1-2ft.

Sampled: 09/26/06
Received: 09/27/06
Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Chloromethane	ND	40 µg/Kg	28 Ethylbenzene	ND	10 µg/Kg
2 Vinyl chloride	ND	20 µg/Kg	27 m,p-Xylene	ND	10 µg/Kg
3 Chloroethane	ND	20 µg/Kg	28 Bromoform	ND	20 µg/Kg
4 Bromomethane	ND	80 µg/Kg	29 o-Xylene	ND	10 µg/Kg
5 Trichlorofluoromethane	ND	20 µg/Kg	30 1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
6 1,1-Dichloroethene	ND	20 µg/Kg	31 1,3-Dichlorobenzene	ND	20 µg/Kg
7 Dichloromethane	ND	80 µg/Kg	32 1,4-Dichlorobenzene	ND	20 µg/Kg
8 trans-1,2-Dichloroethene	ND	20 µg/Kg	33 1,2-Dichlorobenzene	ND	20 µg/Kg
9 1,1-Dichloroethane	ND	20 µg/Kg			
10 cis-1,2-Dichloroethene	ND	20 µg/Kg			
11 Chloroform	ND	20 µg/Kg			
12 1,2-Dichloroethane	ND	20 µg/Kg			
13 1,1,1-Trichloroethane	ND	20 µg/Kg			
14 Carbon tetrachloride	ND	20 µg/Kg			
15 Benzene	ND	10 µg/Kg			
16 1,2-Dichloropropane	ND	20 µg/Kg			
17 Trichloroethene	ND	20 µg/Kg			
18 Bromodichloromethane	ND	20 µg/Kg			
19 cis-1,3-Dichloropropene	ND	20 µg/Kg			
20 trans-1,3-Dichloropropene	ND	20 µg/Kg			
21 1,1,2-Trichloroethane	ND	20 µg/Kg			
22 Toluene	ND	10 µg/Kg			
23 Dibromochloromethane	ND	20 µg/Kg			
24 Tetrachloroethene	ND	20 µg/Kg			
25 Chlorobenzene	ND	20 µg/Kg			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502
Job#: 74330.02

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-37A
Client I.D. Number: B-11 4-5ft.

Sampled: 09/26/06
Received: 09/27/06
Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Chloromethane	ND	80 µg/Kg	28 Ethylbenzene	ND	20 µg/Kg
2 Vinyl chloride	ND	40 µg/Kg	27 m,p-Xylene	ND	20 µg/Kg
3 Chloroethane	ND	40 µg/Kg	28 Bromoform	ND	40 µg/Kg
4 Bromomethane	ND	160 µg/Kg	29 o-Xylene	ND	20 µg/Kg
5 Trichlorofluoromethane	ND	40 µg/Kg	30 1,1,2,2-Tetrachloroethane	ND	40 µg/Kg
6 1,1-Dichloroethene	ND	40 µg/Kg	31 1,3-Dichlorobenzene	ND	40 µg/Kg
7 Dichloromethane	ND	160 µg/Kg	32 1,4-Dichlorobenzene	ND	40 µg/Kg
8 trans-1,2-Dichloroethene	ND	40 µg/Kg	33 1,2-Dichlorobenzene	ND	40 µg/Kg
9 1,1-Dichloroethane	ND	40 µg/Kg			
10 cis-1,2-Dichloroethene	ND	40 µg/Kg			
11 Chloroform	ND	40 µg/Kg			
12 1,2-Dichloroethane	ND	40 µg/Kg			
13 1,1,1-Trichloroethane	ND	40 µg/Kg			
14 Carbon tetrachloride	ND	40 µg/Kg			
15 Benzene	ND	20 µg/Kg			
16 1,2-Dichloropropane	ND	40 µg/Kg			
17 Trichloroethene	ND	40 µg/Kg			
18 Bromodichloromethane	ND	40 µg/Kg			
19 cis-1,3-Dichloropropene	ND	40 µg/Kg			
20 trans-1,3-Dichloropropene	ND	40 µg/Kg			
21 1,1,2-Trichloroethane	ND	40 µg/Kg			
22 Toluene	ND	20 µg/Kg			
23 Dibromochloromethane	ND	40 µg/Kg			
24 Tetrachloroethene	ND	40 µg/Kg			
25 Chlorobenzene	ND	40 µg/Kg			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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NS
10/5/06

Report Date

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ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502
Job#: 74330.02

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-38A
Client I.D. Number: B-11 9-10ft.

Sampled: 09/26/06
Received: 09/27/06
Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Chloromethane	ND	40 µg/Kg	26 Ethylbenzene	ND	10 µg/Kg
2 Vinyl chloride	ND	20 µg/Kg	27 m,p-Xylene	ND	10 µg/Kg
3 Chloroethane	ND	20 µg/Kg	28 Bromoform	ND	20 µg/Kg
4 Bromomethane	ND	80 µg/Kg	29 o-Xylene	ND	10 µg/Kg
5 Trichlorofluoromethane	ND	20 µg/Kg	30 1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
6 1,1-Dichloroethene	ND	20 µg/Kg	31 1,3-Dichlorobenzene	ND	20 µg/Kg
7 Dichloromethane	ND	80 µg/Kg	32 1,4-Dichlorobenzene	ND	20 µg/Kg
8 trans-1,2-Dichloroethene	ND	20 µg/Kg	33 1,2-Dichlorobenzene	ND	20 µg/Kg
9 1,1-Dichloroethane	ND	20 µg/Kg			
10 cis-1,2-Dichloroethene	ND	20 µg/Kg			
11 Chloroform	ND	20 µg/Kg			
12 1,2-Dichloroethane	ND	20 µg/Kg			
13 1,1,1-Trichloroethane	ND	20 µg/Kg			
14 Carbon tetrachloride	ND	20 µg/Kg			
15 Benzene	ND	10 µg/Kg			
16 1,2-Dichloropropane	ND	20 µg/Kg			
17 Trichloroethene	ND	20 µg/Kg			
18 Bromodichloromethane	ND	20 µg/Kg			
19 cis-1,3-Dichloropropene	ND	20 µg/Kg			
20 trans-1,3-Dichloropropene	ND	20 µg/Kg			
21 1,1,2-Trichloroethane	ND	20 µg/Kg			
22 Toluene	ND	10 µg/Kg			
23 Dibromochloromethane	ND	20 µg/Kg			
24 Tetrachloroethene	ND	20 µg/Kg			
25 Chlorobenzene	ND	20 µg/Kg			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl

Randy Gardner

Walter Hinchman

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10/5/06

Report Date

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ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502
Job#: 74330.02

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-39A
Client I.D. Number: DUP5

Sampled: 09/26/06
Received: 09/27/06
Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Chloromethane	ND	40 µg/Kg	26 Ethylbenzene	ND	10 µg/Kg
2 Vinyl chloride	ND	20 µg/Kg	27 m,p-Xylene	ND	10 µg/Kg
3 Chloroethane	ND	20 µg/Kg	28 Bromoform	ND	20 µg/Kg
4 Bromomethane	ND	80 µg/Kg	29 o-Xylene	ND	10 µg/Kg
5 Trichlorofluoromethane	ND	20 µg/Kg	30 1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
6 1,1-Dichloroethene	ND	20 µg/Kg	31 1,3-Dichlorobenzene	ND	20 µg/Kg
7 Dichloromethane	ND	80 µg/Kg	32 1,4-Dichlorobenzene	ND	20 µg/Kg
8 trans-1,2-Dichloroethene	ND	20 µg/Kg	33 1,2-Dichlorobenzene	ND	20 µg/Kg
9 1,1-Dichloroethane	ND	20 µg/Kg			
10 cis-1,2-Dichloroethene	ND	20 µg/Kg			
11 Chloroform	ND	20 µg/Kg			
12 1,2-Dichloroethane	ND	20 µg/Kg			
13 1,1,1-Trichloroethane	ND	20 µg/Kg			
14 Carbon tetrachloride	ND	20 µg/Kg			
15 Benzene	ND	10 µg/Kg			
16 1,2-Dichloropropane	ND	20 µg/Kg			
17 Trichloroethene	ND	20 µg/Kg			
18 Bromodichloromethane	ND	20 µg/Kg			
19 cis-1,3-Dichloropropene	ND	20 µg/Kg			
20 trans-1,3-Dichloropropene	ND	20 µg/Kg			
21 1,1,2-Trichloroethane	ND	20 µg/Kg			
22 Toluene	ND	10 µg/Kg			
23 Dibromochloromethane	ND	20 µg/Kg			
24 Tetrachloroethene	ND	20 µg/Kg			
25 Chlorobenzene	ND	20 µg/Kg			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl

Randy Gardner

Walter Hinchman

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10/5/06

Report Date

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Date:
27-Oct-06

QC Summary Report

Work Order:
06092756

Method Blank

File ID: 102306.B\073AICB.D\

Sample ID: MB-15913

Analyte

Type MBLK

Test Code: EPA Method SW6020 / SW6020A

Batch ID: 15913

Analysis Date: 10/23/2006 16:07

Units : mg/Kg

Run ID: ICP/MS_061023B

Prep Date: 10/21/2006

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit)

Qual

Lead (Pb)

ND

1

Laboratory Control Spike

File ID: 102306.B\074ALCS.D\

Sample ID: LCS-15913

Analyte

Type LCS

Test Code: EPA Method SW6020 / SW6020A

Batch ID: 15913

Analysis Date: 10/23/2006 16:12

Units : mg/Kg

Run ID: ICP/MS_061023B

Prep Date: 10/21/2006

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit)

Qual

Lead (Pb)

22

1

25

88

82

122

Sample Matrix Spike

File ID: 102306.B\087MSL.D\

Sample ID: 06102022-07AMS

Analyte

Type MS

Test Code: EPA Method SW6020 / SW6020A

Batch ID: 15913

Analysis Date: 10/23/2006 17:15

Units : mg/Kg

Run ID: ICP/MS_061023B

Prep Date: 10/21/2006

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit)

Qual

Lead (Pb)

27.1

1

25

3.802

93

66

137

Sample Matrix Spike Duplicate

File ID: 102306.B\088MSDL.D\

Sample ID: 06102022-07AMSD

Analyte

Type MSD

Test Code: EPA Method SW6020 / SW6020A

Batch ID: 15913

Analysis Date: 10/23/2006 17:19

Units : mg/Kg

Run ID: ICP/MS_061023B

Prep Date: 10/21/2006

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit)

Qual

Lead (Pb)

27.7

1

25

3.802

96

66

137

27.07

2.3(22)

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
27-Oct-06

OC Summary Report

Work Order:
06092756

Method Blank

File ID: 06092807.D

Type MBLK Test Code: EPA Method SW8260B

Batch ID: MS15S5695A

Analysis Date: 09/28/2006 10:33

Sample ID: MBLK MS15S5695A

Units: µg/Kg

Run ID: MSD_15_060928A

Prep Date: 09/28/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	40								
Vinyl chloride	ND	20								
Chloroethane	ND	20								
Bromomethane	ND	40								
Trichlorofluoromethane	ND	20								
1,1-Dichloroethene	ND	20								
Dichloromethane	ND	40								
trans-1,2-Dichloroethene	ND	20								
1,1-Dichloroethane	ND	20								
cis-1,2-Dichloroethene	ND	20								
Chloroform	ND	20								
1,2-Dichloroethane	ND	20								
1,1,1-Trichloroethane	ND	20								
Carbon tetrachloride	ND	20								
Benzene	ND	5								
1,2-Dichloropropane	ND	20								
Trichloroethene	ND	20								
Bromodichloromethane	ND	20								
cis-1,3-Dichloropropene	ND	20								
trans-1,3-Dichloropropene	ND	20								
1,1,2-Trichloroethane	ND	20								
Toluene	ND	5								
Dibromochloromethane	ND	20								
Tetrachloroethene	ND	20								
Chlorobenzene	ND	20								
Ethylbenzene	ND	5								
m,p-Xylene	ND	5								
Bromoform	ND	20								
o-Xylene	ND	5								
1,1,2,2-Tetrachloroethane	ND	20								
1,3-Dichlorobenzene	ND	20								
1,4-Dichlorobenzene	ND	20								
1,2-Dichlorobenzene	ND	20								
Surr: 1,2-Dichloroethane-d4	213		200		107	68	119			
Surr: Toluene-d8	195		200		97	84	116			
Surr: 4-Bromofluorobenzene	187		200		94	72	118			

Laboratory Control Spike

File ID: 06092805.D

Type LCS Test Code: EPA Method SW8260B

Batch ID: MS15S5695A

Analysis Date: 09/28/2006 09:48

Sample ID: LCS MS15S5695A

Units: µg/Kg

Run ID: MSD_15_060928A

Prep Date: 09/28/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	473	10	400		118	58	147			
Toluene	431	10	400		108	58	148			
Ethylbenzene	439	10	400		110	59	151			
m,p-Xylene	474	10	400		119	60	155			
o-Xylene	477	10	400		119	62	155			
Surr: 1,2-Dichloroethane-d4	433		400		108	68	119			
Surr: Toluene-d8	369		400		92	84	116			
Surr: 4-Bromofluorobenzene	389		400		97	72	118			

Sample Matrix Spike

File ID: 06092811.D

Type MS Test Code: EPA Method SW8260B

Batch ID: MS15S5695A

Analysis Date: 09/28/2006 12:03

Sample ID: 06092756-04AMS

Units: µg/Kg

Run ID: MSD_15_060928A

Prep Date: 09/28/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	551	20	800	0	69	30	151			
Toluene	505	20	800	0	63	25	159			
Ethylbenzene	507	20	800	0	63	27	161			
m,p-Xylene	547	20	800	0	68	22	170			
o-Xylene	552	20	800	0	69	22	171			
Surr: 1,2-Dichloroethane-d4	849		800		106	68	119			
Surr: Toluene-d8	766		800		96	84	116			
Surr: 4-Bromofluorobenzene	776		800		97	72	118			



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Date:
27-Oct-06

QC Summary Report

Work Order:
06092756

Sample Matrix Spike Duplicate
File ID: 06092812.D

Type MSD

Test Code: EPA Method SW8260B

Batch ID: MS15S5695A

Analysis Date: 09/28/2006 12:25

Sample ID: 06092756-04AMSD

Units : µg/Kg

Run ID: MSD_15_060928A

Prep Date: 09/28/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	517	20	800	0	65	30	151	550.7	6.4(37)	
Toluene	470	20	800	0	59	25	159	505.4	7.4(40)	
Ethylbenzene	478	20	800	0	60	27	161	507.5	6.0(39)	
m,p-Xylene	499	20	800	0	62	22	170	546.5	9.2(40)	
o-Xylene	515	20	800	0	64	22	171	551.6	6.9(41)	
Surr: 1,2-Dichloroethane-d4	848		800		106	68	119			
Surr: Toluene-d8	769		800		96	84	116			
Surr: 4-Bromofluorobenzene	783		800		98	72	118			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
27-Oct-06

OC Summary Report

Work Order:
06092756

Method Blank

Type MBLK Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\060929\06092912.D

Batch ID: MS07S5697A

Analysis Date: 09/29/2006 12:29

Sample ID: MBLK MS07S5697A

Units : µg/Kg

Run ID: MSD_07_060928C

Prep Date: 09/29/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	40								
Vinyl chloride	ND	20								
Chloroethane	ND	20								
Bromomethane	ND	40								
Trichlorofluoromethane	ND	20								
1,1-Dichloroethene	ND	20								
Dichloromethane	ND	40								
trans-1,2-Dichloroethene	ND	20								
1,1-Dichloroethane	ND	20								
cis-1,2-Dichloroethene	ND	20								
Chloroform	ND	20								
1,2-Dichloroethane	ND	20								
1,1,1-Trichloroethane	ND	20								
Carbon tetrachloride	ND	20								
Benzene	ND	5								
1,2-Dichloropropane	ND	20								
Trichloroethene	ND	20								
Bromodichloromethane	ND	20								
cis-1,3-Dichloropropene	ND	20								
trans-1,3-Dichloropropene	ND	20								
1,1,2-Trichloroethane	ND	20								
Toluene	ND	5								
Dibromochloromethane	ND	20								
Tetrachloroethene	ND	20								
Chlorobenzene	ND	20								
Ethylbenzene	ND	5								
m,p-Xylene	ND	5								
Bromoform	ND	20								
o-Xylene	ND	5								
1,1,2,2-Tetrachloroethane	ND	20								
1,3-Dichlorobenzene	ND	20								
1,4-Dichlorobenzene	ND	20								
1,2-Dichlorobenzene	ND	20								
Surr: 1,2-Dichloroethane-d4	193		200		96	68	119			
Surr: Toluene-d8	201		200		101	84	116			
Surr: 4-Bromofluorobenzene	192		200		96	72	118			

Laboratory Control Spike

Type LCS

Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\060929\06092913.D

Batch ID: MS07S5697A

Analysis Date: 09/29/2006 12:51

Sample ID: LCS MS07S5697A

Units : µg/Kg

Run ID: MSD_07_060928C

Prep Date: 09/29/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	394	10	400		99	58	147			
Toluene	390	10	400		98	58	148			
Ethylbenzene	404	10	400		101	59	151			
m,p-Xylene	421	10	400		105	60	155			
o-Xylene	395	10	400		99	62	155			
Surr: 1,2-Dichloroethane-d4	377		400		94	68	119			
Surr: Toluene-d8	415		400		104	84	116			
Surr: 4-Bromofluorobenzene	381		400		95	72	118			

Sample Matrix Spike

Type MS

Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\060929\06092915.D

Batch ID: MS07S5697A

Analysis Date: 09/29/2006 13:38

Sample ID: 06092756-12AMS

Units : µg/Kg

Run ID: MSD_07_060928C

Prep Date: 09/29/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	359	10	400		90	30	151			
Toluene	365	10	400		91	25	159			
Ethylbenzene	380	10	400		95	27	161			
m,p-Xylene	401	10	400		100	22	170			
o-Xylene	368	10	400		92	22	171			
Surr: 1,2-Dichloroethane-d4	359		400		90	68	119			
Surr: Toluene-d8	417		400		104	84	116			
Surr: 4-Bromofluorobenzene	373		400		93	72	118			



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Date:
27-Oct-06

OC Summary Report

Work Order:
06092756

Sample Matrix Spike Duplicate

Type MSD

Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\060929\06092916.D

Batch ID: MS07S5697A

Analysis Date: 09/29/2006 14:00

Sample ID: 06092756-12AMSD

Units: µg/Kg

Run ID: MSD_07_060928C

Prep Date: 09/29/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	277	10	400	0	69	30	151	359.3	26.0(37)	
Toluene	279	10	400	0	70	25	159	365.2	26.9(40)	
Ethylbenzene	288	10	400	0	72	27	161	380.5	27.6(39)	
m,p-Xylene	300	10	400	0	75	22	170	401	28.8(40)	
o-Xylene	273	10	400	0	68	22	171	367.9	29.5(41)	
Surr: 1,2-Dichloroethane-d4	360		400		90	68	119			
Surr: Toluene-d8	419		400		105	84	116			
Surr: 4-Bromofluorobenzene	379		400		95	72	118			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
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OC Summary Report

Work Order:
06092756

Method Blank

File ID: C:\HPCHEM\MS07\DATA\060929\06092948.D

Type MBLK Test Code: EPA Method SW8260B

Batch ID: MS07S5698A

Analysis Date: 09/30/2006 02:02

Sample ID: MBLK MS07S5698A

Units: µg/Kg

Run ID: MSD_07_060929A

Prep Date: 09/30/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	40								
Vinyl chloride	ND	20								
Chloroethane	ND	20								
Bromomethane	ND	40								
Trichlorofluoromethane	ND	20								
1,1-Dichloroethene	ND	20								
Dichloromethane	ND	40								
trans-1,2-Dichloroethene	ND	20								
1,1-Dichloroethane	ND	20								
cis-1,2-Dichloroethene	ND	20								
Chloroform	ND	20								
1,2-Dichloroethane	ND	20								
1,1,1-Trichloroethane	ND	20								
Carbon tetrachloride	ND	20								
Benzene	ND	5								
1,2-Dichloropropane	ND	20								
Trichloroethene	ND	20								
Bromodichloromethane	ND	20								
cis-1,3-Dichloropropene	ND	20								
trans-1,3-Dichloropropene	ND	20								
1,1,2-Trichloroethane	ND	20								
Toluene	ND	5								
Dibromochloromethane	ND	20								
Tetrachloroethene	ND	20								
Chlorobenzene	ND	20								
Ethylbenzene	ND	5								
m,p-Xylene	ND	5								
Bromoform	ND	20								
o-Xylene	ND	5								
1,1,2,2-Tetrachloroethane	ND	20								
1,3-Dichlorobenzene	ND	20								
1,4-Dichlorobenzene	ND	20								
1,2-Dichlorobenzene	ND	20								
Surr: 1,2-Dichloroethane-d4	187		200		93	68	119			
Surr: Toluene-d8	206		200		103	84	116			
Surr: 4-Bromofluorobenzene	187		200		94	72	118			

Laboratory Control Spike

File ID: C:\HPCHEM\MS07\DATA\060929\06092949.D

Type LCS

Test Code: EPA Method SW8260B

Batch ID: MS07S5698A

Analysis Date: 09/30/2006 02:24

Sample ID: LCS MS07S5698A

Units: µg/Kg

Run ID: MSD_07_060929A

Prep Date: 09/30/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	357	10	400		89	58	147			
Toluene	351	10	400		88	58	148			
Ethylbenzene	361	10	400		90	59	151			
m,p-Xylene	378	10	400		95	60	155			
o-Xylene	351	10	400		88	62	155			
Surr: 1,2-Dichloroethane-d4	370		400		92	68	119			
Surr: Toluene-d8	411		400		103	84	116			
Surr: 4-Bromofluorobenzene	381		400		95	72	118			

Sample Matrix Spike

File ID: C:\HPCHEM\MS07\DATA\060929\06092950.D

Type MS

Test Code: EPA Method SW8260B

Batch ID: MS07S5698A

Analysis Date: 09/30/2006 02:47

Sample ID: 06092756-32AMS

Units: µg/Kg

Run ID: MSD_07_060929A

Prep Date: 09/30/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	366	10	400	0	92	30	151			
Toluene	366	10	400	0	92	25	159			
Ethylbenzene	382	10	400	0	96	27	161			
m,p-Xylene	398	10	400	0	99.5	22	170			
o-Xylene	373	10	400	0	93	22	171			
Surr: 1,2-Dichloroethane-d4	366		400		91	68	119			
Surr: Toluene-d8	415		400		104	84	116			
Surr: 4-Bromofluorobenzene	378		400		95	72	118			



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Date:
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OC Summary Report

Work Order:
06092756

Sample Matrix Spike Duplicate

Type MSD

Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\060929\06092951.D

Batch ID: MS07S5698A

Analysis Date: 09/30/2006 03:09

Sample ID: 06092756-32AMSD

Units: µg/Kg

Run ID: MSD_07_060929A

Prep Date: 09/30/2006

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	361	10	400	0	90	30	151	366.2	1.5(37)	
Toluene	360	10	400	0	90	25	159	366.4	1.7(40)	
Ethylbenzene	373	10	400	0	93	27	161	382.3	2.5(39)	
m,p-Xylene	389	10	400	0	97	22	170	398	2.3(40)	
o-Xylene	366	10	400	0	92	22	171	373.2	1.9(41)	
Surr: 1,2-Dichloroethane-d4	361		400		90	68	119			
Surr: Toluene-d8	412		400		103	84	116			
Surr: 4-Bromofluorobenzene	381		400		95	72	118			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
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QC Summary Report

Work Order:
06092756

Method Blank

File ID:	Type MBLK	Test Code: EPA Method SW8015							
Sample ID: MBLK-15703	Units : mg/L	Batch ID: 15703		Analysis Date: 09/28/2006 15:16					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit) Qual
TPH-E (Diesel)	ND	5							
TPH-E (Oil)	ND	10							
Surr: Nonane	78.5		100		78	47	141		

Laboratory Control Spike

File ID:	Type LCS	Test Code: EPA Method SW8015							
Sample ID: LCS-15703	Units : mg/Kg	Batch ID: 15703		Analysis Date: 09/28/2006 14:43					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit) Qual
TPH-E (DRO)	106	10	100		106	68	128		
Surr: Nonane	129		100		129	48	142		

Sample Matrix Spike

File ID:	Type MS	Test Code: EPA Method SW8015							
Sample ID: 06092756-20AMS	Units : mg/Kg	Batch ID: 15703		Analysis Date: 09/29/2006 05:11					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit) Qual
TPH-E (DRO)	102	10	100		6 96	53	153		
Surr: Nonane	74		100		74	48	142		

Sample Matrix Spike Duplicate

File ID:	Type MSD	Test Code: EPA Method SW8015							
Sample ID: 06092756-20AMSD	Units : mg/Kg	Batch ID: 15703		Analysis Date: 09/29/2006 05:45					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit) Qual
TPH-E (DRO)	98.2	10	100		6 92	53	153	101.9	3.7(22)
Surr: Nonane	67.4		100		67	48	142		

Comments:

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Date:
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QC Summary Report

Work Order:
06092756

Method Blank

Type MBLK Test Code: EPA Method SW8015

File ID:

Batch ID: 15704

Analysis Date: 09/28/2006 15:46

Sample ID: MBLK-15704

Units: mg/Kg

Run ID: FID_2_060928A

Prep Date: 09/28/2006

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit) Qual

TPH-E (Diesel)

ND

5

TPH-E (Oil)

ND

10

Surr: Nonane

121

100

121

48

142

Laboratory Control Spike

Type LCS

Test Code: EPA Method SW8015

File ID:

Batch ID: 15704

Analysis Date: 09/28/2006 15:15

Sample ID: LCS-15704

Units: mg/Kg

Run ID: FID_2_060928A

Prep Date: 09/28/2006

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit) Qual

TPH-E (DRO)

93

10

100

93

68

128

Surr: Nonane

120

100

120

48

142

Sample Matrix Spike

Type MS

Test Code: EPA Method SW8015

File ID:

Batch ID: 15704

Analysis Date: 09/28/2006 17:20

Sample ID: 06092756-22AMS

Units: mg/Kg

Run ID: FID_2_060928A

Prep Date: 09/28/2006

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit) Qual

TPH-E (DRO)

107

10

100

8.7

99

53

153

Surr: Nonane

119

100

119

48

142

Sample Matrix Spike Duplicate

Type MSD

Test Code: EPA Method SW8015

File ID:

Batch ID: 15704

Analysis Date: 09/28/2006 17:52

Sample ID: 06092756-22AMSD

Units: mg/Kg

Run ID: FID_2_060928A

Prep Date: 09/28/2006

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit) Qual

TPH-E (DRO)

99.8

10

100

8.7

91

53

153

Surr: Nonane

121

100

121

48

142

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
27-Oct-06

QC Summary Report

Work Order:
06092756

Method Blank

Type MBLK Test Code: EPA Method SW8015

File ID:

Batch ID: 15706

Analysis Date: 09/29/2006 10:17

Sample ID: MBLK-15706

Units : mg/Kg

Run ID: FID_4_060928B

Prep Date: 09/28/2006

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit)

Qual

TPH-E (Diesel)

ND

5

TPH-E (Oil)

ND

10

Surr: Nonane

92.6

100

93

48

142

Laboratory Control Spike

Type LCS

Test Code: EPA Method SW8015

File ID:

Batch ID: 15706

Analysis Date: 09/29/2006 10:53

Sample ID: LCS-15706

Units : mg/Kg

Run ID: FID_4_060928B

Prep Date: 09/28/2006

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit)

Qual

TPH-E (DRO)

87.5

10

100

87

68

128

Surr: Nonane

95.2

100

95

48

142

Sample Matrix Spike

Type MS

Test Code: EPA Method SW8015

File ID:

Batch ID: 15706

Analysis Date: 09/29/2006 15:43

Sample ID: 06092756-49AMS

Units : mg/Kg

Run ID: FID_4_060928B

Prep Date: 09/28/2006

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit)

Qual

TPH-E (DRO)

135

10

100

200

-65

53

153

M50

Surr: Nonane

67.3

100

67

48

142

Sample Matrix Spike Duplicate

Type MSD

Test Code: EPA Method SW8015

File ID:

Batch ID: 15706

Analysis Date: 09/29/2006 16:18

Sample ID: 06092756-49AMSD

Units : mg/Kg

Run ID: FID_4_060928B

Prep Date: 09/28/2006

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LowLimit

HighLimit

RPDRefVal

%RPD(Limit)

Qual

TPH-E (DRO)

124

10

100

200

-76

53

153

135.2

8.6(22)

M50

Surr: Nonane

68.7

100

69

48

142

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M50 = Matrix spike recovery was below laboratory acceptance limits and is likely due to sample non-homogeneity. The laboratory control sample recovery was acceptable.



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Date:
27-Oct-06

OC Summary Report

Work Order:
06092756

Method Blank

File ID: C:\HPCHEM\MS07\DATA\060929\06092912.D	Type MBLK	Test Code: EPA Method SW8015B	Batch ID: MS07S5697B	Analysis Date: 09/29/2006 12:29
Sample ID: MBLK MS07S5697B	Units : mg/Kg	Run ID: MSD_07_060928C	Prep Date: 09/29/2006	
Analyte	Result	PQL	SpkVal	SpkRefVal %REC LowLimit HighLimit RPDRefVal %RPD(Limit) Qual
TPH-P (Purgeable)	ND	1		
Surr: 1,2-Dichloroethane-d4	0.193		0.2	96 68 119
Surr: Toluene-d8	0.201		0.2	101 84 116
Surr: 4-Bromofluorobenzene	0.192		0.2	96 72 118

Laboratory Control Spike

File ID: C:\HPCHEM\MS07\DATA\060929\06092914.D	Type LCS	Test Code: EPA Method SW8015B	Batch ID: MS07S5697B	Analysis Date: 09/29/2006 13:14
Sample ID: GLCS MS07W5697B	Units : mg/Kg	Run ID: MSD_07_060928C	Prep Date: 09/29/2006	
Analyte	Result	PQL	SpkVal	SpkRefVal %REC LowLimit HighLimit RPDRefVal %RPD(Limit) Qual
TPH-P (Purgeable)	14.5	2	16	90 60 153
Surr: 1,2-Dichloroethane-d4	0.375		0.4	94 68 119
Surr: Toluene-d8	0.401		0.4	100 84 116
Surr: 4-Bromofluorobenzene	0.389		0.4	97 72 118

Sample Matrix Spike

File ID: C:\HPCHEM\MS07\DATA\060929\06092917.D	Type MS	Test Code: EPA Method SW8015B	Batch ID: MS07S5697B	Analysis Date: 09/29/2006 14:22
Sample ID: 06092756-12AGS	Units : mg/Kg	Run ID: MSD_07_060928C	Prep Date: 09/29/2006	
Analyte	Result	PQL	SpkVal	SpkRefVal %REC LowLimit HighLimit RPDRefVal %RPD(Limit) Qual
TPH-P (Purgeable)	7.42	2	16	0 46 8 177
Surr: 1,2-Dichloroethane-d4	0.357		0.4	89 68 119
Surr: Toluene-d8	0.408		0.4	102 84 116
Surr: 4-Bromofluorobenzene	0.384		0.4	96 72 118

Sample Matrix Spike Duplicate

File ID: C:\HPCHEM\MS07\DATA\060929\06092918.D	Type MSD	Test Code: EPA Method SW8015B	Batch ID: MS07S5697B	Analysis Date: 09/29/2006 14:45
Sample ID: 06092756-12AGSD	Units : mg/Kg	Run ID: MSD_07_060928C	Prep Date: 09/29/2006	
Analyte	Result	PQL	SpkVal	SpkRefVal %REC LowLimit HighLimit RPDRefVal %RPD(Limit) Qual
TPH-P (Purgeable)	8.95	2	16	0 56 8 177 7.421 18.7(45)
Surr: 1,2-Dichloroethane-d4	0.364		0.4	91 68 119
Surr: Toluene-d8	0.405		0.4	101 84 116
Surr: 4-Bromofluorobenzene	0.377		0.4	94 72 118

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

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Date:
27-Oct-06

QC Summary Report

Work Order:
06092756

Method Blank

File ID: C:\HPCHEM\MS07\DATA\060929\06092948.D		Type	MBLK	Test Code: EPA Method SW8015B	
Batch ID: MS07S5698B		Analysis Date: 09/30/2006 02:02		Prep Date: 09/30/2006	
Sample ID:	MBLK MS07S5698B	Units :	mg/Kg	Run ID: MSD_07_060929A	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC LowLimit HighLimit RPDRefVal %RPD(Limit) Qual
TPH-P (Purgeable)	ND	1			
Surr: 1,2-Dichloroethane-d4	0.187		0.2	93	68 119
Surr: Toluene-d8	0.206		0.2	103	84 116
Surr: 4-Bromofluorobenzene	0.187		0.2	94	72 118

Laboratory Control Spike

File ID: C:\HPCHEM\MS07\DATA\060929\06092952.D		Type	LCS	Test Code: EPA Method SW8015B	
Batch ID: MS07S5698B		Analysis Date: 09/30/2006 03:32		Prep Date: 09/30/2006	
Sample ID:	GLCS MS07S5698B	Units :	mg/Kg	Run ID: MSD_07_060929A	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC LowLimit HighLimit RPDRefVal %RPD(Limit) Qual
TPH-P (Purgeable)	13	2	16	81	60 153
Surr: 1,2-Dichloroethane-d4	0.365		0.4	91	68 119
Surr: Toluene-d8	0.404		0.4	101	84 116
Surr: 4-Bromofluorobenzene	0.384		0.4	96	72 118

Sample Matrix Spike

File ID: C:\HPCHEM\MS07\DATA\060929\06092953.D		Type	MS	Test Code: EPA Method SW8015B	
Batch ID: MS07S5698B		Analysis Date: 09/30/2006 03:54		Prep Date: 09/30/2006	
Sample ID:	06092756-32AGS	Units :	mg/Kg	Run ID: MSD_07_060929A	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC LowLimit HighLimit RPDRefVal %RPD(Limit) Qual
TPH-P (Purgeable)	12.3	2	16	0	77 8 177
Surr: 1,2-Dichloroethane-d4	0.362		0.4	91	68 119
Surr: Toluene-d8	0.405		0.4	101	84 116
Surr: 4-Bromofluorobenzene	0.383		0.4	96	72 118

Sample Matrix Spike Duplicate

File ID: C:\HPCHEM\MS07\DATA\060929\06092954.D		Type	MSD	Test Code: EPA Method SW8015B	
Batch ID: MS07S5698B		Analysis Date: 09/30/2006 04:17		Prep Date: 09/30/2006	
Sample ID:	06092756-32AGSD	Units :	mg/Kg	Run ID: MSD_07_060929A	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC LowLimit HighLimit RPDRefVal %RPD(Limit) Qual
TPH-P (Purgeable)	12.6	2	16	0	79 8 177 12.32 2.2(45)
Surr: 1,2-Dichloroethane-d4	0.363		0.4	91	68 119
Surr: Toluene-d8	0.407		0.4	102	84 116
Surr: 4-Bromofluorobenzene	0.384		0.4	96	72 118

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
27-Oct-06

OC Summary Report

Work Order:
06092756

Method Blank

File ID: 06092807.D

Sample ID: MBLK MS15S5695B

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (Purgeable)	ND	1								
Surr: 1,2-Dichloroethane-d4	0.213		0.2		107	68	119			
Surr: Toluene-d8	0.195		0.2		97	84	116			
Surr: 4-Bromofluorobenzene	0.187		0.2		94	72	118			

Laboratory Control Spike

File ID: 06092806.D

Sample ID: GLCS MS15S5695B

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (Purgeable)	17	2	16		106	60	153			
Surr: 1,2-Dichloroethane-d4	0.433		0.4		108	68	119			
Surr: Toluene-d8	0.382		0.4		96	84	116			
Surr: 4-Bromofluorobenzene	0.38		0.4		95	72	118			

Sample Matrix Spike

File ID: 06092813.D

Sample ID: 06092756-04AGS

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (Purgeable)	17.1	4	32	0	54	8	177			
Surr: 1,2-Dichloroethane-d4	0.835		0.8		104	68	119			
Surr: Toluene-d8	0.781		0.8		98	84	116			
Surr: 4-Bromofluorobenzene	0.785		0.8		98	72	118			

Sample Matrix Spike Duplicate

File ID: 06092814.D

Sample ID: 06092756-04AGSD

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (Purgeable)	16.1	4	32	0	50	8	177	17.15	6.5(45)	
Surr: 1,2-Dichloroethane-d4	0.833		0.8		104	68	119			
Surr: Toluene-d8	0.778		0.8		97	84	116			
Surr: 4-Bromofluorobenzene	0.777		0.8		97	72	118			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information:

Name KAREN FERGUSON
 Address _____
 City, State, Zip _____
 Phone Number _____ Fax _____



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Samples Collected From Which State?

AZ ☐ CA ☒ NV ☐ WA ☐
 ID ☐ OR ☐ OTHER ☐ Page # 2 of 2

Client Name				P.O. #	Job # <u>34330.00</u>		Analyses Required		17414
Address				Email Address		Phone #		Fax #	
City, State, Zip				Report Method		Sample Description		TAT	
Time Sampled				Matrix		Lab ID Number (Office Use Only)		Total and type of containers -- See below	
Date Sampled				See Key Below		Office Use Only		Field Filtered	
1345	9/24/06	SO	14	14	14	14	14	14	14
1355			15	15	15	15	15	15	15
1425			16	16	16	16	16	16	16
1435			17	17	17	17	17	17	17
1445			18	18	18	18	18	18	18
1208			19	19	19	19	19	19	19
1315			20	20	20	20	20	20	20
1320			21	21	21	21	21	21	21
1145			22	22	22	22	22	22	22
1700			23	23	23	23	23	23	23
1025			24	24	24	24	24	24	24
1035			25	25	25	25	25	25	25
1040			26	26	26	26	26	26	26

ADDITIONAL INSTRUCTIONS:

Signature		Print Name	Company	Date	Time
Requested by <u>[Signature]</u>	<u>David Anderson</u>	<u>David Anderson</u>	<u>Environmental</u>	<u>9-27-06</u>	<u>12:25</u>
Received by <u>[Signature]</u>	<u>Loree Jackson</u>	<u>Loree Jackson</u>	<u>Alpha</u>	<u>9/27/06</u>	<u>12:25</u>
Relinquished by					
Received by					
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air ** L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other
 NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Billing Information:

Name Klausner
 Address _____
 City, State, Zip _____
 Phone Number _____ Fax _____



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 Sparks, Nevada 89431-5778
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 Fax (775) 355-0406

Samples Collected From Which State?

AZ CA NV WA OR OTHER Page # 3 of 5

Client Name				P.O. #	Job #	Analyses Required		17416
Address				Email Address		Phone #		Fax #
City, State, Zip				Report by		Sample Description		TAT
Time	Date	Matrix* See Key Below	Samples Lab ID Number (Use Only)	Office (Use Only)	Field Filtered	Total and type of containers ** See below	REMARKS	Required QC Level? I II III IV
1110	9/25/06	SO	1110 2-3			15		
1115			1115 4-5					
1125			1125 7-9					
1610			1610 2-3					
1615			1615 4-5					
1630			1630 9-10					
			32 20P 1					
			34 20P 2					
			35 20P 3					

ADDITIONAL INSTRUCTIONS:

Signature	Print Name	Company	Date	Time
	Dave Johnson	Klausner	7/27/06	1225
	Dave Johnson	Alpha	9/27/06	1225
Relinquished by				
Received by				
Relinquished by				
Received by				

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air ** L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other
 NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Billing Information:

Name Michael Jensen
 Address _____
 City, State, Zip _____
 Phone Number _____ Fax _____



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Samples Collected From Which State?
 AZ _____ CA ☒ NV ☒ WA _____
 ID _____ OR _____ OTHER _____

Page # 4 of 5

Client Name		P.O. #	Job #	Address		City, State, Zip	Phone #	Fax #	Analyses Required		Required QC Level?		
Time Sampled	Date Sampled	Matrix* See Key Below	Sampled by	Lab ID Number (Use Only)	Report Attention	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	1	II	III	IV
9/16/06	1055		KL Jensen	34	B-11-1-2					X	X		
	1055			-37	B-11-4-5					X	X		
	1110			-38	B-11-9-10					X	X		
				-39	DPS					X	X		
	0815			-40	B-12-1-2					X	X		
	0825			-41	B-12-4-5					X	X		
	0835			-42	B-12-9-10					X	X		
	0855			-43	B-14-1-2					X	X		
	1005			A4	B-14-3-4					X	X		
	1015			-45	B-14-9-10					X	X		
	0910			-46	B-15-1-2					X	X		
	1030			-47	B-15-4-5					X	X		
	0945			-48	B-15-9-10					X	X		

ADDITIONAL INSTRUCTIONS:

Relinquished by	Signature	Print Name	Company	Date	Time
Relinquished by	<i>David Jensen</i>	David Jensen	KL Jensen	9-27-06	1240
Relinquished by	<i>Michael Jensen</i>	Michael Jensen	KL Jensen	9/27/06	1240
Relinquished by					
Received by					
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air ** L-Liter V-Vol S-Soil Jar O-Orbo B-Brass P-Plastic OT-Other
 NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

